



Instrument Expert Original factory packaging www.dorgean.com

SPECIFICATIONS DOCUMENT #W73-01





TruLab 1320P



YSI TruLab pH/ISE 1320 Laboratory ISE Benchtop Meter

Dual channel meter for dual measurement of pH, mV (ORP) or ISE The TruLab® pH/ISE 1320 benchtop meter is the ideal laboratory instrument for reliable measurements with automatic

documentation for GLP compliance. The 1320 benchtop is an accurate, easy-to-use solution for the measurement of pH/mV/ISE in the laboratory. The 1320 has internal memory and is available with or without a built-in printer. Stored data can be sent to a PC via USB or to an optional built-in printer available on the 1320P.

Repeatable/Efficient - the instrument's AutoRead function indicates when a stable measurement is reached improving repeatability.

Convenient/Reliable - data can be printed directly from the instrument via the integrated printer or exported via USB.

- Simultaneous dual measurement of pH, mV (ORP) or ISE and temperature (2-channel benchtop meter)
- Easy-to-read backlit display with text menu for easy operation
- Fast data transfer via USB in .csv or ASCII format or the optional integrated printer
- Continuous Monitoring Control (CMC) function for monitoring the ideal measuring range for pH measurements based on the last calibration
 - 1, 2, 3, 4 or 5 point calibration for pH
- 2, 3, 4, 5, 6 or 7 point calibration for ISE, also non-linear
- BNC connection for pH, mV; 2 banana connections -1 for external temperature sensor, 1 for external reference if using a half cell
- 3-year warranty
- GLP/AQA compliant
- Wide selection of electrodes

TruLab Electrodes

Sodium

TruLine - single-junction pH electrodes or ORP electrodes. Choice of epoxy or glass body, with temperature compensation or without, flat glass, piercing tip, and refillable or non-refillable.

•

Science - robust, double-junction pH electrodes available with temperature compensation, with ground or platinum junction.

IoLine - triple-junction pH electrodes with Iodine/Iodide reference for specialized applications, refillable with temperature compensation. YSI.com/1320





bH -2.0 to 20.0; -2.00 to 20.0; -2.00 to 19.999 0.1; 0.01; 0.001 ±0.1; ±0.01; ±0.00; ±0.00 temp of test: nV -1200 to 120.0; -2500 to 2500 0.1; 1.0 ±0.3; ±1.0 (temp of test sample 15) SE (mgl, mg4, mmdl, ppm, N) 0.000 to 9.999; 10.00 to 9999; 10.00 to 99999 0.001; 0.01; 1.0 ±0.3; ±1.0 (temp of test sample 15) (mmvl) -5 to 105°C (23.0 to 22.1°F) 0.1 ±0.1 ±0.1 TruLab pH/ISE 13200 & pH/ISE 1320P Additional Specifications - ±0.1 ±0.1 TruLab pH/ISE 13200 & pH/ISE 1320P Additional Specifications - ±0.1 ±0.1 Yeaps 8.4 (kaline Ak batteries (~150 hours with illumination, 1000 without); universal power supply; compatible with 4 NiMHAA recharge Manual Emperature Input -5 to 105°C (-13 to 26.6°F) in increments of 1 Sysplay Back Kill traphic fiels of y - - - Memory 5,000 data sets auto logging; 500 data sets manual logging - - - SIE Massurement Blank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known a (double) - - - - Size 2 0 7 points - - - - - - - - - <th></th> <th></th> <th>Range</th> <th></th> <th></th> <th></th> <th>Resolutions</th> <th>Accuracy (<u>+</u>1 digit)</th>			Range				Resolutions	Accuracy (<u>+</u> 1 digit)
St (ng/t, mg/tg, mmult, ppm, %) 0.000 to 9.999; 10.00 to 9999; 10.00 to 99999; 0.001; 0.01; 0.1; 1 (gmmphature -5 to 105°C (23.0 to 221°F) 0.01; 0.01; 0.1; 1 TruLab pH/ISE 1320 & pH/ISE 1320P Additional Specifications anual Temperature -5 to 105°C (23.0 to 221°F) 0.1 ±0.1 sover Supply -4 alkaline AA bateries (-150 hours with illumination, 1000 without); universal power supply; compatible with 4 NiMH AA recharge figure fanual Temperature Input -25 to 130°C (13 to 266°F) in increments of 1 isplay Backlit graphic display Backlit graphic display 5,000 data sets auto logging; 500 data sets manual logging Jobretion	Η		-2.0 to 20.0; -2.00 to 20.00; -2.000 to 19.999			0.1; 0.01; 0.001	± 0.1 ; ± 0.01 ; ± 0.005 (temp of test sam 15 to 35°C; within a range of ± 2 pH of the calibration point)	
Imposition 0.000 to 99999; 10.00 to 999.9; 100.0 to 999.9; 100.0 to 999.9; 100.0 to 999.9; 0.01; 0.1; 1 Imperature -5 to 105°C(23.0 to 221°F) 0.1 ±0.1 TruLab pH/ISE 1320.8; pH/ISE 1320P Additional Specifications Sever Supply 4 alkaline Ak batteries (~150 hours with illumination, 1000 without); universal power supply; compatible with 4 NIMH AArecharge Insula Temperature Input -25 to 130°C(13 to 266°F) in increments of 1 Isplay Backli graphic display Iemory 5,000 data sets auto logging; 500 data sets manual logging alloration -25 to 130°C(13 to 266°F) in increments of 1 Isplay Backli graphic display Iemory 5,000 data sets auto logging; 500 data sets manual logging alloration -25 to 5°C(-13 to 149°F) IsE 2 to 7 points EMeasurement Blank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known addition solice (-11 at 149°F) releght 1320 0.8 (q.11 8 lbs) 1320P 1.0 kg (2.0 lbs) immessions 1320 280 tx 230 W x 80 H mm (11 x 9.0 x 3.2 in) -260 tx 230 W x 80 H mm (11 x 9.0 x 3.2 in) -260 tx 230 W x 80 H mm (11 x 9.0 x 3.2 in) Cordearing Information GG, Efflux; electrical protective dasa	٦V							± 0.3 ; ± 1.0 (temp of test sample 15 to 35
Imperature -5 to 105°C (23.0 to 221°F) 0.1 ±0.1 TruLab pH/ISE 13200 & pH/ISE 1320P Additional Specifications Allaline AA batteries (~150 hours with illumination, 1000 without); universal power supply, compatible with 4 NIMH AArecharge annual femperature Input 2 to 130°C (13 to 266°F) in increments of 1 isplay Backlit graphic display Each 200°C (13 to 266°F) in increments of 1 isplay 5,000 data sets auto logging; 500 data sets manual logging ibitation pH 1,2,3,4 or 5 point with or without autobuffer recognition; USA and NIST and 22 pre-programmed buffer sets ISE 2 to 7 points Eleasurement Blank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known a (double) torage 25 to 55°C (13 to 149°F) leight 13200 230 tx 190 Wix 80 H mm (9,0 x 7,5 x.3 2 in) intensions 1320 0 2 30 tx 190 Wix 80 H mm (9,0 x 7,5 x.3 2 in) offenting Information Gacable Cordering Information Gacable GA340Y TruLiab JH1320P JH/MVISE benchtop meter with BNC two channel input, data stoage, USB data transfer. Includes universal power supply, stand, man software and USB cable. GA340Y TruLiab JH1320P JH/MVISE benchtop meter with BNC two channel input, data stoage, USB data transfer. In	SE (mg/l, mg	g/kg, mmol/l, ppm, %)						
TruLab pH/ISE 1320 & pH/ISE 1320 P Additional Specifications ower Supply 4 alkaline AA bateries (~ 150 hours with illumination, 1000 without); universal power supply; compatible with 4 NIMH AA recharge famual Emperature Input -25 to 130°C (-13 to 266°F); in increments of 1 isplay Backling raphic display femory 5,000 data sets auto logging; 500 data sets manual logging alloration pH 1,2,3,4 or 5 point with or without autobuffer recognition; USA and NIST and 22 pre-programmed buffer sets ISE 2 to 7 points Elloank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known a (double) torage -25 to 65°C (-13 to 149°F) PH deight 1320 20 alk (18 lbs) 1320P 1 ok (2 (0 lbs) immanions 1320 20 alk (18 lbs) 1320P 2 80 L x 230 W x 80 H mm (11 x 9.0 x 3.2 in) ortering Information Gradavi TruLab PH1320 PH/InV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, manas software and USB cable. Connector, 1 banana plug, NIC 30 k0 hm Tulue PH132 PH Hetcrode with temperature, single-junction, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector.* Toulue PH 25; PH electrode no temperature, single-junction, 3 in 1, gellable, glass shaft with 1-m cable, BNC connector.* Toulue PH 25; PH el					9; 1000 t	0 9999		
over Supply 4 alkaline AA batteries (~ 150 hours with illumination, 1000 without); universal power supply; compatible with 4 NIMH AA recharge Ianual Temperature Input 25 to 130°C (13 to 266°F) in increments of 1 isplay Backli graphic display temory 5,000 data sets auto logging; 500 data sets manual logging allbration PH 1, 2, 3, 4 or 5 point with or without autobuffer recognition; USA and NIST and 22 pre-programmed buffer sets ISE 2 to 7 points E Measurement Blank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known a (double) ferght 13200 1320P 1.0 kg (2.0 lbs) immensions 1220 2301 x 190 Wx 80 H mm (9.0 x7.5 x 3.2 in) 1320P 2801 x 230 W x 80 H mm (11 x 9.0 x 3.2 in) Gradering Information GadaVY Trulue PH1320 PH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, mars software and USB cable. GA340V Trulue PH1320 PH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer. Includes universal power supply, stand, mars software and USB cable. GA340V Trulue PH1320 PH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer. Includes universal power supply, stand, mars software and USB cable. GA340V Trulue PH1320 PH/mV/ISE benchtop meter with BNC two channel input, data sto								<u>+</u> 0.1
Ianual Temperature Input -25 to 130°C (+13 to 266°F) in increments of 1 isplay Backlit graphic display lemony 5,000 data sets auto logging; 500 data sets manual logging allibration pH 1, 2, 3, 4 or 5 point with or without autobuffer recognition; USA and NIST and 22 pre-programmed buffer sets ISE 2 to 7 points IE Measurement Blank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known a (double) torage 25 to 65°C (*13 to 149°F) leight 1320 0.8 kg (18 lbs) 1320P torage 25 to 65°C (*13 to 149°F) leight 1320 0.2 kg (18 lbs) 1320P timesions 1320 2.2 30 L x 190 W x 80 H mm (9.0 x 7.5 x 3.2 in) 1320P Celering Information GA40Y Trulus PH1320 pH/mVI/SE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, mara software and USB cable. GO350 Trulus PH152, pH electrode with temperature, single-junction, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector.* 10351 Trulus PH25, pH electrode no temperature, single-junction, a in 1, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* 10352 Trulus PH25, pH electrode no temperature, single-junction, combination, gel lectrolyte, epoxy shaft	TruLa	b pH/ISE 13	820 & pH/ISE 1320	P Additiona	l Spe	cificatio	ons	
isplay Backlit graphic display emory 5,000 data sets auto logging; 500 data sets manual logging pH 1,2,3,4 or 5 point with or without autobuffer recognition; USA and NIST and 22 pre-programmed buffer sets ISE 2 to 7 points Blank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known an (double) orage -25 to 65°C (-13 to 149°F) teight 1320 0 840 (18 lbs) 1320P 120 230 L x 190 W x 80 H mm (9.0 x 7.5 x 3.2 in) 1320P 280 L x 230 W x 80 H mm (11 x 9.0 x 3.2 in) crifications CE, cEllus; electrical protective class III; IP43 arranty arranty 3 years Cordeering Information GA340Y Trulue bpH1320P PH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes universal power supply, stand, mark software and USB cable. 02330 Trulue pH15; pH electrode with temperature, single-junction, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm 03231 Trulue pH25; pH electrode no temperature, single-junction, combination, refillable, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 Constant 03353 Trulue pH25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector, 1 banana pl	ower Supp	ply	4 alkaline AA batteries (~150 l	nours with illuminati	ion, 1000) without); u	niversal power supp	oly; compatible with 4 NiMH AA rechargeabl
Itemory 5,000 data sets auto logging; 500 data sets manual logging allivation pH 1, 2, 3, 4 or 5 point with or without autobuffer recognition; USA and NIST and 22 pre-programmed buffer sets ISE 2 to 7 points Blark value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known a dition (source) forge -25 to 65°C(-13 to 149°F) releght 1320 0.8 kg (1.8 lbs) 1320 P immissions 1320 20 L x 190 W. 80 H mm (9.0 x 7.5 x 3.2 in) 1320 P relifications CE, cETLus; electrical protective class III; IP43 atranty 3 years Orclearing Information GA340V Trulab PH1320 PH/mW/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes universal power supply, stand, man software and USB cable. GA340V Trulab PH1320 PH/mW/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes universal power supply, stand, manual, software and USB cable. GA340V Trulab PH1320 PH/mW/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes universal popy, stand, manual, software and USB cable. GA340V Trulab PH1320 PH/mW/ISE benchtop meter with BNC two channel input, data stoage, USB		mperature Input		increments of 1				
alibration pH 1, 2, 3, 4 or 5 point with our without autobuffer recognition; USA and NIST and 22 pre-programmed buffer sets ISE 2 to 7 points Et Measurement Blank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known au (double) torage -25 to 65°C (-13 to 149°F) feight 1320 0.8 kg (1.8 lbs) 1320P 1.0 kg (2.0 lbs) immensions 1320 230L x 190W x 80 H mm (9.0 x 7.5 x 3.2 in) 1.0 kg (2.0 lbs) immensions 1320 230L x 190W x 80 H mm (9.0 x 7.5 x 3.2 in) 1.0 kg (2.0 lbs) immensions 1320 230L x 190W x 80 H mm (9.0 x 7.5 x 3.2 in) 0rclering Information Grade Grade Grade GA340V TruLab pH1320P pH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer. Includes universal power supply, stand, manual, software and USB cable. Grade 00331 TruLine pH15; pH electrode with temperature, single-junction, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector.* 00352 TruLine pH2 b; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* 00353 TruLine pH2 5; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* 0035								
pH 1, 2, 3, 4 or 5 point with or without autobuffer recognition; USA and NIST and 22 pre-programmed buffer sets ISE 2 to 7 points EMeasurement Blank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known au (double) torage -25 to 65°C (-13 to 149°F) feight 1320 0.8 kg (1.8 lbs) 1320P 1.30 (2.30 L x 190 Wx 80 H mm (9.0 x 7.5 x 3.2 in) 1320P 280 L x 230 W x 80 H mm (11 x 9.0 x 3.2 in) ertifications CE, cETLus; electrical protective class III; IP43 3 Jarramy 3 years 3 Ordering Information 6A340Y Trulab pH1320 PH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, mara software and USE dable. 00350 Trulne pH15; pH electrode with temperature, single-junction, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banaan plug, NIC 30 kOhm 00351 Truline pH12; pH electrode with temperature, single-junction, combination, refillable, glass shaft with 1-m cable, BNC connector, * 00354 Truline pH23; pH electrode with temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector, * 00354 Truline pH23; pH electrode with temperature, single-junction, combination, flat glass shaft with 1-m cable, BNC connector, *	-		5,000 data sets auto logging;	500 data sets manua	al loggin	g		
ISE 2 to 7 points E Measurement Blank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known addition (double) torage -25 to 65°C (-13 to 149°F) leight 1320 20 als kg (18 lbs) 1320P 1.0 kg (2.0 lbs) imensions 1320 230 L x 190 W x 80 H mm (9.0 x 7.5 x 3.2 in) 1320P 280 L x 230 W x 80 H mm (11 x 9.0 x 3.2 in) Cdcerring Information CE, cETLus; electrical protective class III; IP43 3 years Qrdeering Information GG.440PY TruLab pH13200 pH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, manual, software and USB cable. GA340PY TruLab pH1320P pH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer and integrated thermal printer. Includes universal power supply, stand, manual, software and USB cable. GM310PT TruLine pH1320P pH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, manual, software and USB cable. GM310T TruLine pH17; pH electrode with temperature, single-junction, combination, refillable, glass shaft with 1-m cable, BNC connector.* TruLine pH26; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector.* G0325 TruLine pH26; pH electrode no temperature, single-junction, combination, spea								1.00
Ef Measurement Blank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known ad (double) lorage -25 to 65°C (13 to 149°F) Veight 1320 0.8 kg (1.8 lbs) 1320P 1.0 kg (2.0 lbs) immensions 1320 2.30 L x 190 W x 80 H mm (9.0 x 7.5 x 3.2 in) ertifications CF, cETLus; electrical protective class III; IP43 Kranty 3 years Ordering Information GA340Y GA340Y Trutab pH1320 pH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer. Includes universal power supply, stand, mar software and USB cable. GA340Y Trutine pH13; pH electrode with temperature, single-junction, combination, refillable, glass shaft with 1-m cable, BNC connector.* 00351 Trutine pH15; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* 00353 Trutine pH 26; pH electrode no temperature, single-junction, combination, gel shaft with 1-m cable, BNC connector.* 00353 Trutine pH 27; pH electrode no temperature, single-junction, combination, gel shaft with 1-m cable, BNC connector.* 00354 Trutine ORP 50; ORP electrode no temperature, single-junction, combination, gel shaft with 1-m cable, BNC connector.* 00355 Trutine PH 51; pH electrode no temperature, si				itobuffer recognition	n; USA an	d NISI and 2	2 pre-programmed	buffer sets
 (double) 25 to 65°C (-13 to 149°F) Veight 1320 0.30 kg (1.8 lbs) 1320 P 1.0 kg (2.0 lbs) immensions 1320 2.30 L x 1900 W 80 H mm (9.0 x 7.5 x 3.2 in) 1320 P 280 L x 230 W x 80 H mm (11 x 9.0 x 3.2 in) ertifications CE, CETLus; electrical protective class III; IP43 GA340Y TruLab pH 1320 pH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, mar software and USB cable. GA340PY TruLab pH 1320P PH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes universal power supply, stand, manual, software and USB cable. GR340PY TruLab pH 1320P PH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes univer power supply, stand, manual, software and USB cable. TruLine pH 132, pH electrode with temperature, single-junction, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm 00351 TruLine pH 25; pH electrode no temperature, single-junction, combination, refillable, glass shaft with 1-m cable, BNC connector.* 00355 TruLine PH 25; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector.* 00356 TruLine PH 25; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector.* 00357 TruLine PH 25; pH electrode with temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector.* 00358 Ioline - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference				athods: Known addit	ion (cina	lo): Known	ubtraction: Sample	addition: Sample subtraction: Known addit
torage -25 to 65°C (-13 to 149°F) Veight 1320 0.8 kg (1.8 lbs) 1320P 1.0 kg (2.0 lbs) timensions 1320 230 L x 190 W x 80 H mm (9.0 x 7.5 x 3.2 in) 1320P 280 L x 230 W x 80 H mm (11 x 9.0 x 3.2 in) vertifications CF, CFLUs; electrical protective class III; IP43 280 L x 230 W x 80 H mm (11 x 9.0 x 3.2 in) Varianty 3 years 3 3 Ordeering Information GA340Y Trulae pH1320 pH/mV/ISE benchtop meter with BNC two channel input, data stoage, uSB data transfer. Includes universal power supply, stand, mana software and USB cable. 00350 Truline pH15; pH electrode with temperature, single-junction, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banana plug, NIC 30 kOhm 00351 Truline pH12; pH electrode with temperature, single-junction, combination, refillable, glass shaft with 1-m cable, BNC connector, 1 banana plug, NIC 30 kOhm 00352 Truline pH25; pH electrode no temperature, single-junction, a in 1, gel electrolyte, epoxy shaft with 1-m cable, BNC connector, 1 banana plug, NIC 30 kOhm 00352 Truline pH25; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector.* 00354 Truline PK 50; ORP electrode no temperature, single-junction, refillable, glass shaft with 1-m cable, BNC connector.* 00355 Truline					.1011 (51119	ie), Kliuwii :	Subtraction, Sample	addition, Sample Subtraction, Known addit
Veight 1320 0.8 kg (1.8 lbs) 1320 1.0 kg (2.0 lbs) Immensions 1320 230 L x 190 W x 80 H mm (9.0 x 7.5 x 3.2 in) 1320 280 L x 230 W x 80 H mm (11 x 9.0 x 3.2 in) ertifications CF, CFLus; electrical protective class III; IP43 280 L x 230 W x 80 H mm (11 x 9.0 x 3.2 in) Arranty 3 years Ordering Information GA340Y GA340PY Trulab pH1320 PH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, man software and USB cable. GA340PY Trulab pH1320P PH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes univer power supply, stand, manual, software and USB cable. Ga340PY Truline pH17; pH electrode with temperature, single-junction, an in, refillable, glass shaft with 1-m cable, BNC connector.1 banana plug, NTC 30 kOhm Truline pH126; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.4 00352 Truline pH26; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.4 00353 Truline pH27; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector.4 00354 Truline pH27; pH electrode no temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable	torage							
 imensions 1320 230 L x 190 W x 80 H mm (9.0 x 7.5 x 3.2 in) 1320P 280 L x 230 W x 80 H mm (11 x 9.0 x 3.2 in) cF, cFTLus; electrical protective class III; IP43 3 years Ordering Information GA340Y TruLab pH1320 pH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, mar software and USB cable. GA340PY TruLab pH1320 PH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes universal power supply, stand, manual, software and USB cable. TruLine pH15; pH electrode with temperature, single-junction, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm 00351 TruLine pH17; pH electrode no temperature, single-junction, and 1, gel electrolyte, epoxy shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm 00352 TruLine pH 25; pH electrode no temperature, single-junction, combination, refillable, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm 00352 TruLine pH 25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm 00353 TruLine pH 25; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector.* 00355 TruLine 0RP 50; ORP electrode no temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* 00356 TruLine 0RP 50; ORP electrode no temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* 00357 TruLine 0RP 50; ORP electrode no temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* 00358 TruLine 0RP 50; ORP electrode with temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.*	-			1	320P	1.0 kg (2.0	lbs)	
faranty 3 years Ordering Information GA340Y TruLab pH1320 pH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, mar software and USB cable. GA340PY TruLab pH1320P pH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes univer power supply, stand, manual, software and USB cable. GA340PY TruLiab pH1320P pH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes univer power supply, stand, manual, software and USB cable. 00350 TruLine pH15; pH electrode with temperature, single-junction, a in 1, refillable, glass shaft with 1-m cable, BNC connector.* 00352 TruLine pH 25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* 00353 TruLine pH 27; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector.* 00354 TruLine ORP 50; ORP electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector.* 00355 TruLine ORP 51; ORP electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector.* 00354 TruLine ORP 51; ORP electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector.* <td></td> <td></td> <td>•</td> <td>) x 7.5 x 3.2 in) 1</td> <td>320P</td> <td>•</td> <td></td> <td>x 9.0 x 3.2 in)</td>			•) x 7.5 x 3.2 in) 1	320P	•		x 9.0 x 3.2 in)
 Ordering Information GA340Y TruLab pH1320 pH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, mar software and USB cable. GA340PY TruLab pH1320P pH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes univer power supply, stand, manual, software and USB cable. TruLine pH15; pH electrode with temperature, single-junction, as in 1, refillable, glass shaft with 1-m cable, BNC connector.* TruLine pH 25; pH electrode with temperature, single-junction, as in 1, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* TruLine pH 25; pH electrode no temperature, single-junction, combination, refillable, glass shaft with 1-m cable, BNC connector.* TruLine pH 27; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector.* TruLine pH 27; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector.* TruLine pH 27; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector.* TruLine ORP 50; ORP electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. * TruLine pH 21; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector. Ibanan NIC 30 kOhm.* Oline Micro - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, NIC 30 kOhm.* Oline Micro - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 i	ertificatio	ns CE, c	ETLus; electrical protective class l	III; IP43				
 GA340Y TruLab pH1320 pH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, mar software and USB cable. GA340PY TruLab pH1320P pH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes univer power supply, stand, manual, software and USB cable. O0350 TruLine pH15; pH electrode with temperature, single-junction, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm O0351 TruLine pH17; pH electrode no temperature, single-junction, as in 1, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* O0352 TruLine pH25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* O0352 TruLine pH25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* O0354 TruLine pH25; pH electrode no temperature, single-junction, refillable, glass shaft with 1-m cable, BNC connector.* O0355 TruLine QRP 50; QRP electrode no temperature, single-junction, refillable, glass shaft with 1-m cable, BNC connector.* O0355 TruLine QRP 51; QRP electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector.* O0356 IoLine - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banana NTC 30 kOhm. O0356 IoLine - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana NTC 30 kOhm. O0357 Incline pH21; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable, B	/arranty	З уе	ars					
 GA340Y TruLab pH1320 pH/mV/ISE benchtop meter with BNC two channel input, data stoage and USB data transfer. Includes universal power supply, stand, mar software and USB cable. GA340PY TruLab pH1320P pH/mV/ISE benchtop meter with BNC two channel input, data stoage, USB data transfer and integrated thermal printer. Includes univer power supply, stand, manual, software and USB cable. O0350 TruLine pH15; pH electrode with temperature, single-junction, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm O0351 TruLine pH17; pH electrode no temperature, single-junction, as in 1, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* O0352 TruLine pH25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* O0352 TruLine pH25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* O0354 TruLine pH25; pH electrode no temperature, single-junction, refillable, glass shaft with 1-m cable, BNC connector.* O0355 TruLine QRP 50; QRP electrode no temperature, single-junction, refillable, glass shaft with 1-m cable, BNC connector.* O0355 TruLine QRP 51; QRP electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector.* O0356 IoLine - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banana NTC 30 kOhm. O0356 IoLine - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana NTC 30 kOhm. O0357 Incline pH21; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable, B	Orde	ring Inform	ation					
 power supply, stand, manual, software and USB cable. TruLine pH15; pH electrode with temperature, single-junction, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm TruLine pH 26; pH electrode with temperature, single-junction, combination, refillable, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm TruLine pH 25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector, 8 TruLine pH 27; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector, 8 TruLine PH 27; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector, 8 TruLine ORP 50; ORP electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector, 8 TruLine ORP 50; ORP electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. 8 TruLine PH 21; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. 8 TruLine pH 21; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. 1 Uo355 IoLine - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banan MTC 30 kOhm. 8 IoU359 IoLine Micro - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm. 8 IoU360 Science pHT-Rt; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro				IC two channel input	t, data sto	bage and US	B data transfer. Inclu	udes universal power supply, stand, manual
 TruLine pH 17; pH electrode no temperature, single-junction, combination, refillable, glass shaft with 1-m cable, BNC connector.* TruLine pH 26; pH electrode with temperature, single-junction, 3 in 1, gel electrolyte, epoxy shaft with 1-m cable, BNC connector. 1 banana plug, NTC 30 TruLine pH 25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* TruLine pH 27; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector.* TruLine ORP 50; ORP electrode no temperature, single-junction, refillable, glass shaft with 1-m cable, BNC connector.* TruLine ORP 51; ORP electrode no temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* TruLine PH 21; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. TruLine PH 21; pH electrode no temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector. Dimensions tapered to spear tip O0358 IoLine - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm.* O0360 Science pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT - Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 bana	GA340PY				ut, data s	toage, USB	data transfer and inte	egrated thermal printer. Includes universal
 TruLine pH 26; pH electrode with temperature, single-junction, 3 in 1, gel electrolyte, epoxy shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 TruLine pH 25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* TruLine pH 27; pH electrode no temperature, single-junction, refillable, glass membrane for surface measurements, glass shaft with 1-m cable, BIC connector.* TruLine ORP 50; ORP electrode no temperature, single-junction, refillable, glass shaft with 1-m cable, BNC connector.* TruLine ORP 51; ORP electrode no temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* TruLine pH 21; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. TruLine pH 21; pH electrode no temperature, single-junction, lodine/lodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector. Dimensions tapered to spear tip loLine - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm.* loLine Micro - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 6 mm OD (tapered) Science pHT-Ft; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC KOMm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, KOMm. Dimensions = 170 mm length; 12 mm OD 	00350				efillable,	glass shaft w	ith 1-m cable, BNC c	connector, 1 banana plug, NTC 30 kOhm.*
 TruLine pH 25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* TruLine pH 27; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BIC connector.* TruLine ORP 50; ORP electrode no temperature, single-junction, refillable, glass shaft with 1-m cable, BNC connector.* TruLine ORP 51; ORP electrode no temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* TruLine ORP 51; ORP electrode no temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* TruLine pH 21; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. Dimensions tapered to spear tip O0358 IoLine - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banan NTC 30 kOhm.* O0359 IoLine Micro - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable connector, 1 banana plug, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 6 mm OD (tapered) O0360 Science pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD	00351	TruLine pH 17; pH	electrode no temperature, single	-junction, combinati	ion, refill	able, glass s	haft with 1-m cable, I	BNC connector.*
 TruLine pH 27; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BIC connector.* TruLine ORP 50; ORP electrode no temperature, single-junction, refillable, glass shaft with 1-m cable, BNC connector.* TruLine ORP 51; ORP electrode no temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* TruLine pH 21; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. Dimensions tapered to spear tip O0358 IoLine - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable, BNC connector, 1bana NTC 30 kOhm.* O0359 IoLine Micro - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable O0360 Science pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 6 mm OD (tapered) O0361 Science pHT-Pt; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, NT kOhm. Dimensions = 170 mm length; 12 mm OD O0362 Science pHT - Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, KOhm. Dimensions = 170 mm length; 12 mm OD 								
 connector.* 00355 TruLine ORP 50; ORP electrode no temperature, single-junction, refillable, glass shaft with 1-m cable, BNC connector.* 00356 TruLine ORP 51; ORP electrode no temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* 00357 TruLine pH 21; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. Dimensions tapered to spear tip 00358 IoLine - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banan NTC 30 kOhm.* 00359 IoLine Micro - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable connector, 1 banana plug, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 6 mm OD (tapered) 00360 Science pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm. Dimensions = 170 mm length; 12 mm OD 00361 Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD 00362 Science pHT-Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. 								
 TruLine ORP 51; ORP electrode no temperature, single-junction, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.* TruLine pH 21; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. Dimensions tapered to spear tip IoLine - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banan NTC 30 kOhm.* IoLine Micro - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable connector, 1 banana plug, NTC 30 kOhm. Discience pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD 	00254		electrode no temperature, single	-junction, combinati	ion, flat g	lass membr	ane for surface meas	surements, glass shaft with 1-m cable, BNC
 00357 TruLine pH 21; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. Dimensions tapered to spear tip 00358 IoLine - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banan NTC 30 kOhm.* 00359 IoLine Micro - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable connector, 1 banana plug, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 6 mm OD (tapered) 00360 Science pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC kOhm. Dimensions = 170 mm length; 12 mm OD 00361 Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD 00362 Science pHT-Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD 					-			
 tapered to spear tip 00358 IoLine - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1bana NTC 30 kOhm.* 00359 IoLine Micro - 3 in 1; pH electrode with temperature, triple-junction, Iodine/Iodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable connector, 1 banana plug, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 6 mm OD (tapered) 00360 Science pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC kOhm. Dimensions = 170 mm length; 12 mm OD 00361 Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD 00362 Science pHT - Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD 	00355							
 loLine - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, glass shaft with 1-m cable, BNC connector, 1 banar NTC 30 kOhm.* loLine Micro - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable connector, 1 banara plug, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 6 mm OD (tapered) Science pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banara plug, NTC kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banara plug, kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banara plug, kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banara plug, kOhm. Dimensions = 170 mm length; 12 mm OD 	00355 00356	TruLine pH 21; pH electrode no temperature, single-junction, combination, spear tip membrane, epoxy shaft with 1-m cable, BNC connector. Dimensions =						h 1-m cable, BNC connector. Dimensions =
 NTC 30 kOhm.* 10Line Micro - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable connector, 1 banana plug, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 6 mm OD (tapered) 00360 Science pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm. Dimensions = 170 mm length; 12 mm OD 00361 Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD 00362 Science pHT - Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD 	00355 00356 00357	TruLine pH 21; pH						
 IoLine Micro - 3 in 1; pH electrode with temperature, triple-junction, lodine/lodide reference, 3 in 1, refillable, Micro electrode, glass shaft with 1-m cable connector, 1 banana plug, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 6 mm OD (tapered) Science pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC 30 kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT - Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD 	00355 00356 00357	TruLine pH 21; pH tapered to spear tip)	. i	aliala wafa			fuith 1 months DNC compositor themeso
 connector, 1 banana plug, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 6 mm OD (tapered) Science pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banana plug, NTC kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT - Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector 	00355 00356 00357 00358	TruLine pH 21; pH tapered to spear tip IoLine - 3 in 1; pH e)	e-junction, lodine/loo	dide refe	rence, 3 in 1	, refillable, glass sha	ft with 1-m cable, BNC connector, 1banana
 Science pHT-Pt; pH electrode with temperature, double-junction, Platinum junction, 3 in 1, glass shaft with 1-m cable, BNC connector, 1 banana plug, NT kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD Science pHT - Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector 	00355 00356 00357 00358	TruLine pH 21; pH tapered to spear tip loLine - 3 in 1; pH e NTC 30 kOhm.*	electrode with temperature, triple				-	
kOhm. Dimensions = 170 mm length; 12 mm OD 00361 Science pHT-G; pH electrode with temperature, double-junction, 3 in 1, ground joint junction, glass shaft with 1-m cable, BNC connector, 1 banana plug, kOhm. Dimensions = 170 mm length; 12 mm OD 00362 Science pHT - Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connector	00355 00356 00357 00358 00359	TruLine pH 21; pH tapered to spear tip loLine - 3 in 1; pH e NTC 30 kOhm.* loLine Micro - 3 in 1	electrode with temperature, triple 1; pH electrode with temperature	e, triple-junction, lod	ine/lodio	le reference	3 in 1, refillable, Mi	cro electrode, glass shaft with 1-m cable, BN
kOhm. Dimensions = 170 mm length; 12 mm OD 00362 Science pHT - Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connected	00355 00356 00357 00358 00359	TruLine pH 21; pH tapered to spear tip loLine - 3 in 1; pH e NTC 30 kOhm.* loLine Micro - 3 in 1 connector, 1 banan) electrode with temperature, triple 1; pH electrode with temperature ha plug, NTC 30 kOhm. Dimensio	e, triple-junction, lod ns = 200 mm overal	ine/Iodio II length	le reference (tapered); 1	3 in 1, refillable, Mi 2 mm OD to 6 mm O	cro electrode, glass shaft with 1-m cable, BN)D (tapered)
00362 Science pHT - Micro; pH electrode with temperature, double-junction, 3 in 1, Platinum junction, Micro electrode, glass shaft with 1-m cable, BNC connected	00355 00356 00357 00358 00359	TruLine pH 21; pH tapered to spear tip loLine - 3 in 1; pH e NTC 30 kOhm.* loLine Micro - 3 in 7 connector, 1 banan Science pHT-Pt; pH	electrode with temperature, triple 1; pH electrode with temperature 1a plug, NTC 30 kOhm. Dimensio electrode with temperature, dou	e, triple-junction, lod ns = 200 mm overal	ine/Iodio II length	le reference (tapered); 1	3 in 1, refillable, Mi 2 mm OD to 6 mm O	cro electrode, glass shaft with 1-m cable, BN)D (tapered)
	00355 00356 00357 00358 00359 00360	TruLine pH 21; pH tapered to spear tip loLine - 3 in 1; pH e NTC 30 kOhm.* loLine Micro - 3 in connector, 1 banan Science pHT-Pt; pH kOhm. Dimensions Science pHT-G; pH	electrode with temperature, triple 1; pH electrode with temperature a plug, NTC 30 kOhm. Dimensio electrode with temperature, dou s = 170 mm length; 12 mm OD electrode with temperature, dou	e, triple-junction, lod ns = 200 mm overal uble-junction, Platinu	ine/lodic II length um junct	le reference (tapered); 1 ion, 3 in 1, g	3 in 1, refillable, Mi 2 mm OD to 6 mm O lass shaft with 1-m ca	cro electrode, glass shaft with 1-m cable, BN ID (tapered) able, BNC connector, 1 banana plug, NTC 30
00363 ScienceLine Temp 135; temperature sensor, stainless steel, 1 banana plug, NTC 30 kOhm. Dimensions = 120 mm length; 4 mm OD	00355 00356 00357 00358 00359 00360	TruLine pH 21; pH tapered to spear tip loLine - 3 in 1; pH e NTC 30 kOhm.* loLine Micro - 3 in 7 connector, 1 banan Science pHT-Pt; pH kOhm. Dimensions Science pHT-G; pH kOhm. Dimensions Science pHT-Micro	electrode with temperature, triple 1; pH electrode with temperature a plug, NTC 30 kOhm. Dimensio electrode with temperature, dou 5 = 170 mm length; 12 mm OD electrode with temperature, dou 5 = 170 mm length; 12 mm OD o; pH electrode with temperature	e, triple-junction, lod ns = 200 mm overal uble-junction, Platinu ble-junction, 3 in 1, 9 e, double-junction, 3	ine/lodic II length um junct ground ju in 1, Plat	le reference (tapered); 1 ion, 3 in 1, g pint junctior inum juncti	3 in 1, refillable, Mi 2 mm OD to 6 mm O lass shaft with 1-m cr , glass shaft with 1-n on, Micro electrode, s	cro electrode, glass shaft with 1-m cable, BN)D (tapered) able, BNC connector, 1 banana plug, NTC 3C n cable, BNC connector, 1 banana plug, NTC
00364 ScienceLine Temp 136; temperature sensor, glass, 1 banana plug, NTC 30 kOhm. Dimensions = 120 mm length; 6 mm OD	00355 00356 00357 00358 00359 00360 00361 00362	TruLine pH 21; pH tapered to spear tip loLine - 3 in 1; pH e NTC 30 kOhm.* loLine Micro - 3 in 7 connector, 1 banan Science pHT-Pt; pH kOhm. Dimensions Science pHT-G; pH kOhm. Dimensions Science pHT - Micro banana plug, NTC 3	electrode with temperature, triple 1; pH electrode with temperature a plug, NTC 30 kOhm. Dimensio electrode with temperature, dou s = 170 mm length; 12 mm OD electrode with temperature, dou s = 170 mm length; 12 mm OD o; pH electrode with temperature 30 kOhm. Dimensions = 200 mm	e, triple-junction, lod ns = 200 mm overal uble-junction, Platinu ble-junction, 3 in 1, 9 e, double-junction, 3 n overall length (tapa	ine/lodic Il length um junct ground j in 1, Plat ered); 12	le reference, (tapered); 1 ion, 3 in 1, g pint junction inum juncti mm OD to	3 in 1, refillable, Mi 2 mm OD to 6 mm O lass shaft with 1-m ca , glass shaft with 1-m on, Micro electrode, 5 mm OD (tapered)	cro electrode, glass shaft with 1-m cable, BN)D (tapered) able, BNC connector, 1 banana plug, NTC 30 n cable, BNC connector, 1 banana plug, NTC glass shaft with 1-m cable, BNC connector, 1



YSI, TruLine, ConCal and MultiCal are registered trademarks. Specifications are subject to change. Please visit YSI.com to verify all specs. ©2014 YSI, a xylem brand Printed in the USA. W73-01 0414



