



TruLab 1320P

Parameters:

рΗ

mV (ORP/Redox)

Temperature

ISEs:

Ammonia

Ammonium

Bromide

Cadmium

Calcium

Chloride

Copper

Cyanide

Fluoride

Iodide

Lead

Nitrate

Potassium

Silver/Sulfide

Sodium



TruLab 1320

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

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.

loLine - triple-junction pH electrodes with lodine/lodide reference for specialized applications, refillable with temperature compensation.

YSI.com/1320

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ISE (mg/l, mg/kg, mmol/l, ppm, %) 0.000 to 9.999; 10.00 to 99.99; 1000 to 999.99; 1000 to 999.99 0.001; 0.01; 0.1; 1 0.000 to 9.999; 10.00 to 99.99; 1000 to 999.99; 1000 to 9999 0.001; 0.01; 0.1; 1	
(µmol/l) 0.000 to 9.999; 10.00 to 99.99; 100.0 to 999.9; 1000 to 9999 0.001; 0.01; 0.1; 1	15 to 35°C)
Temperature -5 to 105°C (23.0 to 221°F) 0.1 +0.1	
1011polataic 5 to 103 e (23.0 to 221 1)	
TruLab pH/ISE 1320 & pH/ISE 1320P Additional Specifications	
Power Supply 4 alkaline AA batteries (~150 hours with illumination, 1000 without); universal power supply; compatible with 4 NiMH AA recha	argeables*
Manual Temperature Input -25 to 130°C (-13 to 266°F) in increments of 1	
Display Backlit graphic display	
Memory 5,000 data sets auto logging; 500 data sets manual logging Calibration	

1, 2, 3, 4 or 5 point with or without autobuffer recognition; USA and NIST and 22 pre-programmed buffer sets pН ISE 2 to 7 points

Blank value correction, increment methods: Known addition (single); Known subtraction; Sample addition; Sample subtraction; Known addition **ISE** Measurement

(double)

-25 to 65°C (-13 to 149°F) Storage

Weight 1320 0.8 kg (1.8 lbs) 1320P 1.0 kg (2.0 lbs)

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) **Dimensions**

Certifications CE, cETLus; electrical protective class III; IP43

Warranty 3 years

Ordering Information

1GA340Y TruLab pH1320 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.

1GA340PY TruLab pH1320P 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.* 400350

400351 TruLine pH 17; pH electrode no temperature, single-junction, combination, refillable, glass shaft with 1-m cable, BNC connector.*

400352 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 kOhm.*

400353 TruLine pH 25; pH electrode no temperature, single-junction, combination, gel electrolyte, epoxy shaft with 1-m cable, BNC connector.*

400354 TruLine pH 27; pH electrode no temperature, single-junction, combination, flat glass membrane for surface measurements, glass shaft with 1-m cable, BNC connector.*

400355 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.* 400356

400357 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

400358 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, 1banana plug, NTC 30 kOhm.*

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, BNC 400359 connector, 1 banana plug, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 6 mm OD (tapered)

400360 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

400361 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, NTC 30 kOhm. Dimensions = 170 mm length; 12 mm OD

400362 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, NTC 30 kOhm. Dimensions = 200 mm overall length (tapered); 12 mm OD to 5 mm OD (tapered)

ScienceLine Temp 135; temperature sensor, stainless steel, 1 banana plug, NTC 30 kOhm. Dimensions = 120 mm length; 4 mm OD 400363

ScienceLine Temp 136; temperature sensor, glass, 1 banana plug, NTC 30 kOhm. Dimensions = 120 mm length; 6 mm OD

YSI

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^{*}Dimensions = 120 mm length; 12 mm OD ** Instrument will not charge the rechargeable batteries