

PICCOLO & PICCOLO+

0.01 pH Accuracy, Replaceable Probe & Temperature Read-Out

PICCOLO is a revolutionary pH-meter with a **4-in-1** "Electrode + Amplifier" design. Conventional pH meters are susceptible to the weak high impedance signal which makes the electrode, connector, cable and meter delicate and vulnerable to noise, humidity and dirty environments.

PICCOLO has overcome these problems with a pre-amplified electrode delivering a strong signal to the meter. The **4-in-1** interchangeable electrode is inexpensive and rugged and houses the pH sensor, reference system, temperature sensor and the amplifier module.

Accuracy: With a resolution and accuracy of ± 0.01 pH, **PICCOLO** has the same precision as a lab-grade meter at a fraction of the price.

Easy to Use: Battery operated and weighing only 100 grams, **PICCOLO** measures pH wherever necessary. Just switch it on, immerse in the solution and read. Dual point calibration is performed easily through trimmers on the meter's casing.

Replaceable Electrode: The detachable electrode has sealed electronics against humid and dusty environments.

Automatic Temperature Compensation: A temperature sensor housed in the electrode provides ATC from 0 to 70°C (32 to 158°F).

Temperature Read-Out: A professional thermometer built inside a pH meter! Accurate temperature read-out directly on LCD (**PICCOLO Plus** only).

Supplied Complete: **PICCOLO** comes complete with a 4-in-1 pH electrode, pH 4 and pH 7 buffer solutions, a small calibration screwdriver in a purpose-built, rugged carrying case.

Three Models to choose from:

PICCOLO with a 9 cm (3.5") electrode (**HI 1280**).

PICCOLO 2 with a 16 cm (6.3") electrode (**HI 1290**).

PICCOLO Plus with a 16 cm (6.3") electrode (**HI 1295**) and temperature readout directly on LCD.

SPECIFICATIONS

	PICCOLO	PICCOLO 2	PICCOLO Plus
RANGE	1.00 to 13.00 pH	1.00 to 13.00 pH	1.00 to 13.00 pH/0.0 to 70.0°C
RESOLUTION	0.01 pH	0.01 pH	0.01 pH/0.1°C
ACCURACY (@20°C/68°F)	± 0.01 pH	± 0.01 pH	± 0.01 pH/ $\pm 1^\circ\text{C}$
TYPICAL EMC DEVIATION	± 0.05 pH	± 0.30 pH	± 0.2 pH/ $\pm 1^\circ\text{C}$
CALIBRATION	Manual 2 points through trimmers		
TEMPERATURE COMPENSATION	Automatic from 0 to 70°C (32 to 158°F)		
ELECTRODE	HI 1280 (included)	HI 1290 (included)	HI 1295 (included)
BATTERY TYPE / LIFE	3 x 1.4V / 100 hours approx. continuous use		
ENVIRONMENT	0 to 50°C (32 to 122°F); RH 95%		
DIMENSIONS	194 x 29 x 15 mm (7.6 x 1.2 x 0.6")	265 x 29 x 15 mm (10.4 x 1.2 x 0.6")	265 x 29 x 15 mm (10.4 x 1.2 x 0.6")
WEIGHT	400 g (14.1 oz.) with carrying case		

HOW TO ORDER

HI 98111 (**PICCOLO**) with 90 mm (3.5") **HI 1280** pH amplified electrode

HI 98112 (**PICCOLO 2**) with 160 mm (6.3") **HI 1290** pH amplified electrode

HI 98113 (**PICCOLO Plus**) with 160 mm (6.3") **HI 1295** pH amplified electrode

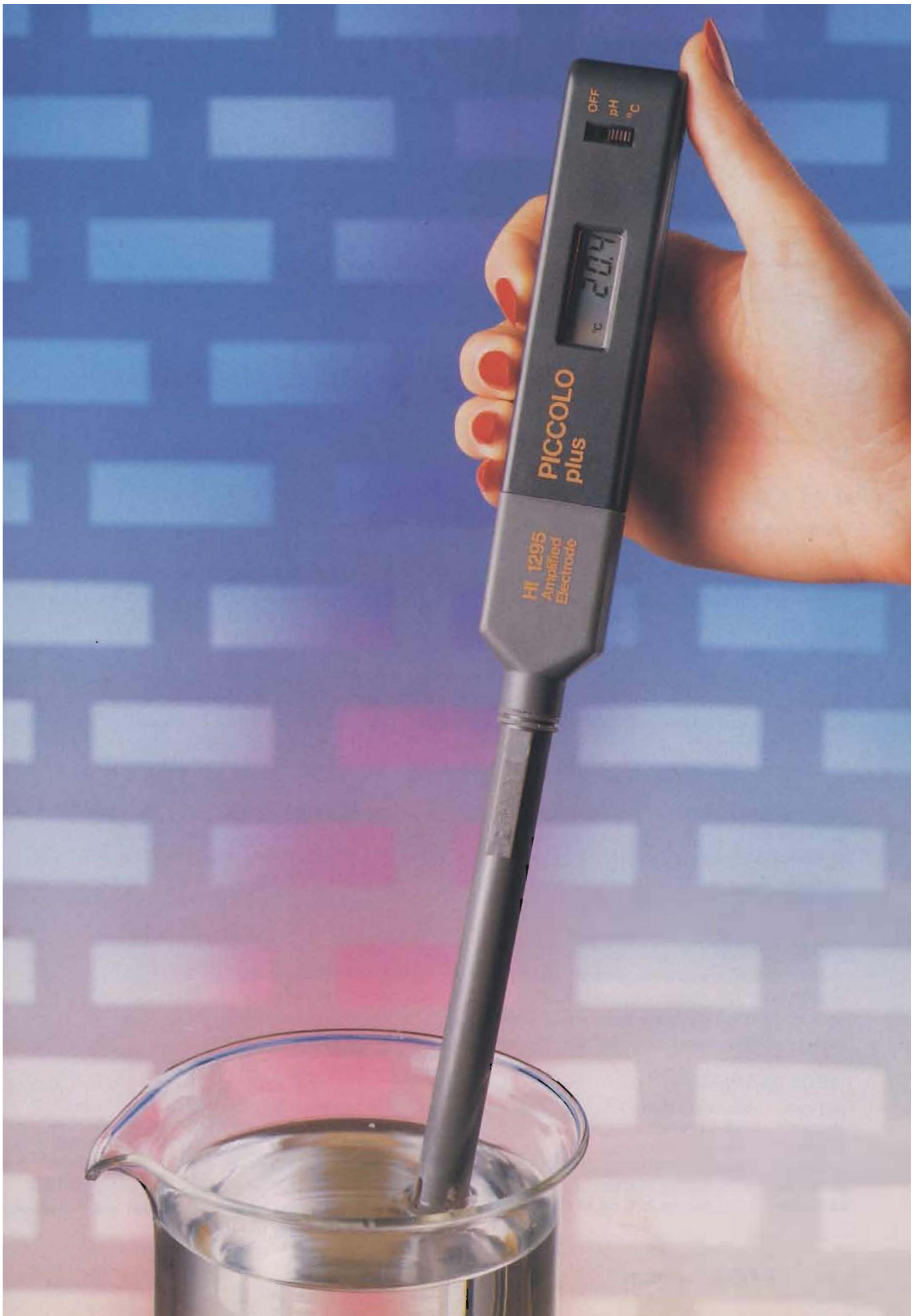
All **PICCOLO** instruments are supplied complete with pH/temperature probe, pH 7.01 and pH 4.01 buffer solutions, small screwdriver, 3 1.4V batteries and instructions in a rugged carrying case.

ACCESSORIES

HI 1280 Amplified pH electrode (90 mm/3.5")
HI 1290 Amplified pH electrode (160 mm/6.3")
HI 1295 Amplified pH electrode (160 mm/6.3")
HI 77400P Cal. kit (pH 4 & 7, 20 mL, 5 pcs each)
HI 77700P Calibration kit (pH 7, 10 x 20 mL)
HI 770710P Cal. kit (pH 7 & 10, 20 mL, 5 pcs each)

HI 7004M Buffer solution pH 4.01, 230 mL
HI 7007M Buffer solution pH 7.01, 230 mL
HI 7010M Buffer solution pH 10.01, 230 mL
HI 70300M Storage solution, 230 mL

For a complete range of calibration and maintenance solutions see pages G5, G7, G9 and G12.



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