

pH/ORP/conductivity/TDS meters, bench top, Thermo Scientific Eutech, PC 700



Applications

Water quality testing, checking metal finishes, solutions, cooling tower water, printing fountain solutions, boiler water, brines, drilling mud, rinse tanks, ponds, pollution control, recirculating systems, waste water, industrial process systems, general use in laboratories, titration, quality assurance, ecological studies and food processing.

- Large, comprehensive screen that displays readings, calibration points and electrode indicator
- Ready indicator alerts when readings are stable
- Up to 5 point push button calibration
- Auto ranging across 5 conductivity ranges
- Non-volatile memory holds up to 100 data points
- Integral electrode holder

The multiparameter PC 700 measures pH, ORP, conductivity and temperature with a single meter. User friendly with advanced features and a large custom size display.

Technical Specification - General

pH	Range, pH	0.00 to 14.00
	Resolution, pH	0.01
	Accuracy, pH	±0.01 plus 1 count
	pH calibration	Up to 5 points with auto buffer recognition
	Options	Buffer options: USA: pH 1.68, 4.01, 7.00, 10.01, 12.45 NIST: pH 1.68, 4.01, 6.86, 9.18, 12.45
ORP	Slope	Yes (with offset)
	Range, mV	±2,000
	Resolution, mV	0.1 (±199.9), 1 beyond ±200
	Accuracy, mV	±0.2 (±199.9), ±2 beyond ±200
	mV measurement	Offset adjustment: up to ±150
Conductivity	Range conductivity	0 to 20.00µS/cm, 200.0µS/cm, 2000µS/cm, 0 to 20.00µS/cm, 200.0µS/cm
	Resolution, conductivity	0.01µS/cm/0.1µS/cm/1µS/cm, 0.01µS/cm/0.1µS/cm
	Accuracy, conductivity	±1% Full scale
	Calibration, conductivity	Automatic (84µS/cm, 1,413µS/cm, 12.88µS/cm, 111.8µS/cm), maximum 1 per range, manual (5 points), maximum 1 per range
	Cell constant	0.1, 1.0, 10.0 (selectable)
TDS	Range, TDS	0 to 10.0ppm, 100.0ppm, 1,000ppm
	Resolution, TDS	0.01ppm/0.1ppm/1ppm, 0.01ppt/0.1ppt
	Accuracy, TDS	±1% full scale
	TDS factor	0 to 10.00ppt, 100.0ppt (max. 200.0ppt @ 1.0 TDS factor)
	Calibration, TDS	Manual (5 points), maximum 1 per range
Temperature	Range, °C	0 to 100
	Resolution, °C	0.1
	Accuracy, °C	±0.5
	Temperature coefficient	0% to 10%
	Temperature normalisation	15 to 30°C
	Temperature compensation	Automatic with supplied cell or manual
	Calibration, temperature	Offset in 0.1°C increments, offset range ±5°C
General	Automatic	Auto ranging, hold function: yes
	Inputs	BNC, 8 pin DIN

Catalogue No	Legacy No	Alt. No	Description	Contents
12983517	-	ECPC70043S	PC 700 meter kit	Meter with pH electrode, conductivity/ATC probe, Integral electrode holder and 100-240V a.c. adapter

Accessories

Catalogue No	Legacy No	Alt. No	Description
12673125	-	ECFC7252101B	General purpose plastic body, single junction gel filled pH combination electrode, 12mm x 90mm, BNC connector, 1m cable
12973517	-	CONSEN9501D	2 stainless steel rings Ultem®-body conductivity electrode, ATC, cell constant K=1.0, 16mm x 144mm, 8-pin connector, 1m cable
11529054	-	60X030130	Power adapter, 100-240V a.c. SMPS, 9V, 6W

