



PORTABLE METERS - 850 Series

Code KDD007, KZD007, KGD004

The 850 Series instruments are designed at laboratory level for measurement or analysis of parameters in the work area or field. They combine intelligent functions with a robust structure. Their IP57 protection rating, waterproofing, silicone connection protectors and rubber coating make them suitable for use in harsh environments, such as industrial environments or outdoor measurements with harsh environmental conditions. They are equipped with a large LCD display for measured values, calibration indicators, stable reading icons and self-diagnostics.

- Parameters: pH, ORP, Conductivity, TDS, Salinity, Temperature
- Supplied with pH and/or conductivity combination electrodes with builtin temperature probe
- Automatic temperature compensation
- Large LCD screen with automatic lock and shutdown
- Battery indicator icons.
- Water and dust resistant IP57
- Self-diagnosis and calibration warning
- Supplied with carrying case, user manual, AA batteries (x3), calibration bottles, 50 mL calibration solutions: pH 7, pH 4 and/or 1413 μ S, 12.88 mS (50 mL)

There is a rubber cap to seal and protect the connector, better waterproof.

Acrylic transparent window, resistant to scratches, waterproof

Calibration solution indicators

Ergonomic design, suitable for hand operating. IP57 waterproof rating.



Calibration & operating instruction on the back side.

Keyboard for controlling the operating parameters



Technical features

Code	KDD007	KZD007	KGD004
Model	pH850	PC850	EC850
Parameter	pH/mV/Temp	pH/mV/Temp/Cond/TDS	Cond/TDS/Temp
pH			
Range	0-14		
Resolution	0.1/0.01 pH		
Accuracy	± 0.01 pH ± 1 digit		
Temp. compensation	0-100°C		
Calibration	1 a 3 points (USA/NIST)		
mV			
Range	± 1000 mV		
Resolution	1 mV		
Accuracy	$\pm 0.2\%$ FS ± 1 digit		
Conductivity			
Range	0 – 19.99 μ S/cm 20.0 – 199.9 μ S/cm 200-1999 μ S/cm 2 – 19.99 mS/cm 20 - 200.0 mS/cm		
Resolution	0.01/0.1/1 μ S, 0.01/0.1 mS		
Accuracy	$\pm 1.0\%$ FS ± 1 digit		
Electrode constant	0.1/1.0/10.0 cm-1		
Temp. compensation	0 – 50°C		
Calibration	1 to 3 points		
TDS			
Range	0.1 mg/mL – 100 g/L		
Coeficiente TDS	0.40-1.00		
Temperature			
Range	0 – 100°C		
Resolution	0.1°C		
Accuracy	$\pm 0.5^\circ\text{C} \pm 1$ digit		

Portable meters - Serie 850 - Electrodes and conductivity cells



KDG021

Electrode for pH with temperature probe, 201T-F



KZD026

Conductivity electrode with T^a probe (k=1), 2301T-S

Code portable meter

Electrode or conductivity cell

KDD007	KZD007	KGD004
KDG021	KDG021 KZD026	KZD026