



Benchtop meters series 820

Code KDD009, KZD008, KGD006

The Series 820 benchtop meters are the most accurate pH, ORP and conductivity (± 0.002 pH / ± 0.5 % FS conductivity) analysis instruments. They are suitable for laboratories requiring the highest accuracy, such as clinical laboratories, research, chemical industry, water analysis, power industry, petrochemicals, etc.

They are equipped with a premium long-life glass electrode for pH and platinum back brush-resistant conductivity (BPB) and temperature combined electrode. Its intelligent processor automatically recognizes up to 15 types of pH buffer solutions and up to 8 types of standard conductivity solutions (Optional series: U.S, NIST, user configurable). They have automatic multi-point calibration, calibration guidance and automatic verification. Data management according to Good Laboratory Practice (GLP).

- Fast pH and conductivity readings with maximum accuracy (± 0.002 pH / ± 0.5 % FS conductivity)
- Calibration reminder (automatic, quick and easy) Also displays the pH electrode curve to quickly see its status
- Large LCD screen with simultaneous display of pH/Cond and temperature, stable reading icons and calibration completion
- Storage of 500/1000 data sets for GLP
- USB data output, cable and 820 Series PC-link software (Windows only) included
- Electrodo de vidrio de larga duración para pH
- Long life glass electrode for pH. Combined conductivity (BPB) and temperature electrode
- Temperature probe MP 500
- Flexible holder for 3 electrodes included
- Calibration solutions for pH (4.00, 7.00, 10.01 pH) and/or conductivity ($84\mu\text{S/cm}$, $1413\mu\text{S/cm}$, 12.88mS/cm)
- IP54 dust and water protection



USB data connection

PC connectivity via
USB connection



Technical features

Code		KDD009	KZD008	KGD006
Model		PH820	PC820	EC820
Parameters		pH/mV/°C	pH/mV/ Cond/TDS/Sal/°C	Cond/TDS/Sal/°C
pH	Range	-2.000 – 19.999 pH		-
	Resolution	0.1/0.01/0.001 pH		-
	Accuracy	±0.002 pH ± 1 digit		-
	Stability	±0.002 pH ± 1 digit / 3 hours		-
	Temp. compensation	0 – 100°C		-
	Calibration	1 to 5 points, automatic		-
mV	Range	± 1999 mV		-
	Resolution	0.1 mV		-
	Accuracy	±0.03 % FS ± 1 digit		-
Conductivity	Range	-		0.00 – 19.99 μS/cm 20.0 – 199.9 μS/cm 200-1999 μS/cm 2 – 19.99 mS/cm 20 – 199.9 mS/cm 200 – 1999 mS/cm
	Resolution	-		0.01/0.1/1 μS, 0.01/0.1/1 mS
	Accuracy	-		± 0.5% FS ± 1 digit
	Electrode constant	-		0.01/0.1/1.0/10.0 cm-1
	Temp. compensation	-		0 – 50°C
	Calibration	-		1 to 4 points, automatic
TDS	Range	-	0.1 mg/L – 100 g/L (500 g/L S9500)	
	Coeficiente	-	0.40 – 1.00	
Salinity	Range	-	0 – 100 ppt	
Resistivity	Range	-	0 – 100 MΩ*cm (20 MΩ*cm S9500)	
Temperature	Range	-10 – 110°C		
	Resolution	0.1°C		
	Accuracy	±0.4°C ±1 digit		
Data storage		500 sets	1000 sets	500 sets
Data output		USB – Software PC-link	-	-

Benchtop meters - 820 series - electrodes and conductivity cells

Code KDG022, KZD019, KDG039



KDG022

Routine pH electrode,
LabSen 211



KZD019

Glass conductivity electrode
with probe T° (k=1), 2401T-F



KDG039

Temperature probe
MP500

Code	KDD009	KZD008	KGD006
Connectors	KDG022 / KDG039 BNC / RCA / Code / USB	KDG022 / KZD019 / KDG039 BNC / RCA / Code / USB	KZD019 BNC / RCA / USB