

Benchtop Meters

Compact assistance for work and education



AD1131B Electrode

The AD1000 family is supplied with the AD1131 - refillable, glass body pH electrode with double junction and BNC connector.



Non-skid footpads

The footpads are ensuring stability for the meters even on slippery surfaces.



Mountable electrode holder

Electrode holder can be mounted to either side of the benchtop meters.



AD1000-AD1020

Professional Multi-Parameter pH-ORP-Temperature and pH-ORP-ISE-Temperature Benchtop Meters with RS232/USB interface & GLP

AD1000 and AD1020 are professional benchtop meters with ranges for pH, ORP (Oxidation Reduction Potential), ISE [1020] and temperature measurements. Relative mV readings are also provided.

- Up to 5-point calibration with 7 memorized buffers and two custom buffers
- Calibration time-out alarm
- pH calibration using buffers with 0.001 resolution
- pH readings with manual or automatic temperature compensation
- Log-on-demand (up to 50 samples) and automatic logging (up to 1000 samples)
- Two selectable alarm limits
- User selectable logging interval mode
- HOLD feature to freeze the stable reading on the LCD
- GLP feature to view last calibration data for pH, ISE and relative mV
- PC interface/RS232/USB

AD1030-AD1040-AD1200

Professional Multi-Parameter pH-ORP-Temperature and pH-ORP-ISE-Temperature Benchtop Meters with GLP

AD1030, AD1040 and AD1200 are professional benchtop meters for pH, ORP (Oxidation Reduction Potential), ISE (AD1200 only) and temperature measurements. Relative mV readings are also provided.

- Up to 3-point calibration with 7 memorized buffers and two custom buffers
- Calibration time-out alarm
- pH calibration using buffers with 0.001 resolution
- pH readings with manual or automatic temperature compensation
- Up to 50 samples for log-on-demand [AD1040, AD1200]
- Two selectable alarm limits
- HOLD feature to freeze the stable reading on the LCD
- GLP feature to view last calibration data for:
 - pH and relative mV ranges [AD1040]
 - pH, ISE and relative mV ranges [AD1200]

Optional electrode holder

AD9315 is an adjustable arm with great stability and flexibility



Optional AD3230B ORP electrode

Gel-filled combination ORP electrode with platinum contact



Optional AD1230B pH electrode

Gel-filled, epoxy body, interchangeable pH electrode



“Cal Due” Alarm

Visual reminder when recalibration is necessary.

Data Logging

[AD1000, AD1020, AD1040, AD1200]

Store your samples into a built-in memory.

PC interface - Data transfer

[AD1000, AD1020]

Transfer your measurement's data to your PC.



GLP

[AD1000, AD1020, AD1040, AD1200]

GLP allows storage and retrieval of data regarding the status of the system.



HOLD Function

Freeze the first stable reading on the LCD.

	AD1000	AD1020	AD1030/1040	AD1200
Range	pH	-2.00 to 16.00 pH / -2.000 to 16.000 pH	-2.00 to 16.00 pH / -2.000 to 16.000 pH	-2.00 to 16.00 pH / -2.000 to 16.000 pH
	ORP	±2000 mV	±2000 mV	±2000 mV
	ISE	-	0.001 to 19999 ppm	-
	Temp.	-20.0 to 120.0°C (-4.0 to 248.0°F)	-20.0 to 120.0°C (-4.0 to 248.0°F)	-20.0 to 120.0°C (-4.0 to 248.0°F)
Resolution	pH	0.01 pH / 0.001 pH	0.01 pH / 0.001 pH	0.01 pH / 0.001 pH
	ORP	0.1 mV (±999.9 mV) / 1 mV (outside)	0.1 mV (±999.9 mV) / 1 mV (outside)	0.1 mV (±999.9 mV) / 1 mV (outside)
	ISE	-	0.001 ppm (0.001 to 9.999) 0.01 ppm (10.00 to 99.99) 0.1 ppm (100.0 to 999.9) 1 ppm (1000 to 19999)	0.001 ppm (0.001 to 9.999) 0.01 ppm (10.00 to 99.99) 0.1 ppm (100.0 to 999.9) 1 ppm (1000 to 19999)
	Temp.	0.1°C (0.1°F)	0.1°C (0.1°F)	0.1°C (0.1°F)
Accuracy (at 25°C/77°F)	pH	±0.01 pH / ±0.002 pH	±0.01 pH / ±0.002 pH	±0.01 pH / ±0.002 pH
	ORP	±0.2 mV up to ±699.9 mV ±0.5 mV up to ±999.9 mV ± 2 mV outside	±0.2 mV up to ±699.9 mV ±0.5 mV up to ±999.9 mV ± 2 mV outside	±0.2 mV up to ±699.9 mV ±0.5 mV up to ±999.9 mV ± 2 mV outside
	ISE	-	±0.5% f.s. ISE	±0.5% f.s. ISE
	Temp.	±0.4°C (±0.7°F) (excluding probe error)	±0.4°C (±0.7°F) (excluding probe error)	±0.4°C (±0.7°F) (excluding probe error)
Calibration	pH	Up to 5 point calibration, with 2 custom and 7 standard buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45)	Up to 5 point calibration, with 2 custom and 7 standard buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45)	Up to 3 point calibration, with 2 custom and 7 standard buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45)
	ISE	-	Up to two-point calibration, 5 standard solutions available (0.1, 1, 10, 100, 1000 ppm)	Up to two-point calibration, 5 standard solutions available (0.1, 1, 10, 100, 1000 ppm)
Memory	Log-on-demand: Up to 50 samples; Automatic logging: Up to 1000 samples	Log-on-demand: Up to 50 samples; Automatic logging: Up to 1000 samples	Log-on-demand: Up to 50 samples [AD1040]	Log-on-demand: Up to 50 samples
PC Interface	USB and RS232	USB and RS232	-	-
Probes (included)	AD1131B - Refillable, glass body pH electrode with double junction, BNC connector and 1 m cable; AD7662 - Stainless steel temperature probe with 1 m cable			
Power supply	12 Vdc power adapter			
Dimensions	230 x 180 x 50 mm			
Weight	1.8 kg			

AD1000 and AD1020 are supplied with

AD1131B - Refillable glass body pH electrode with BNC connector and 1 m cable; AD7662 - Stainless steel temperature probe with 1 m cable; Electrode holder; AD70004 - pH4 calibration solution in sachet (20 ml); AD70007 - pH7 calibration solutions in sachet (20 ml); AD9551 - Serial communication cable; 12 Vdc power adapter; Instruction manual.

AD1030, AD1040 and AD1200 are supplied with

AD1131B - Refillable glass body pH electrode with BNC connector and 1 m cable; AD7662 - Stainless steel temperature probe with 1 m cable; Electrode holder; AD70004 - pH4 calibration solution in sachet (20 ml); AD70007 - pH7 calibration solutions in sachet (20 ml); 12 Vdc power adapter; Instruction manual.

Accessories

- AD1131B - pH electrode
- AD1230B - pH electrode
- AD1286 - pH electrode
- AD3230B - Combination ORP electrode
- AD7662 - Temperature probe
- AD7000 - Rinse solution, 20 ml sachet (230 ml bottle)
- AD7004 - pH 4.01 calibration solution (230 ml bottle)
- AD7007 - pH 7.01 calibration solution (230 ml bottle)
- AD7010 - pH 10.01 calibration solution (230 ml bottle)
- AD7020 - ORP test solution, 200/275 mV (230 ml bottle)
- AD70300 - Electrode storage solution (230 ml bottle)
- AD7061 - Electrode cleaning solution (230 ml bottle)
- AD7082 - Electrode refillable solution 3.5 M KCl (30 ml bottle, 4 pcs.)
- AD7082S - Electrode refillable solution 3.5 M KCl (30 ml bottle)
- AD9315 - Electrode holder
- AD9316 - Application software [AD1000, AD1020]
- AD9551 - Serial communication cable [AD1000, AD1020]

Electrodes, Probes and other Accessories see on page 18; Calibration, Rinse and other solutions see on page 20