



DO METER

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The DO meter is used to measure the dissolved oxygen in water in order to reflect its quality. Its principle needs cathode and anode electrodes and works on the concept of polarization. The flow of electrons from the anode to the cathode represents the measuring signal which is proportional to the partial pressure of oxygen in the measured culture of media.

400 DO METER



SPECIFICATIONS

Model	BMET-401	BMET-402	BMET-403	BMET-404
Dissolved Oxygen Concentration				
Sensor Type	Polarographic			
Range	0.00 to 99.99mg/L	1.00 to 99.99 mg/L	0.00 to 99.99 mg/L	0.00 to 20.00 mg/L
Resolution	0.01 mg/L	1.01 mg/L	2.01 mg/L	1.01 mg/L
Accuracy	± 0.3 mg/L (0.00 to 20.00 mg/L) $\pm 10\%$ (20.00 to 99.99 mg/L)		± 0.1 mg/L	± 0.3 mg/L
Calibration Points	Air-saturated water or zero point			
Barometric Compensation	Yes			
Manual Salinity Factor Correction	Yes			
Calibration Reminder	-	-	Yes	-
Saturation				
Range	(0.0 to 600.0) %	-	-	(0.0 to 200.0)%
Resolution	0.10 %	-	0.10 %	
Accuracy	± 10.0 %	-	± 10.0 %	
Temperature				
Range	- 5 to 110 °C, 23 to 230 °F	- 10 to 135 °C, 14 to 275 °F	-5 to 130 °C	- 5 to 110 °C, 23 to 230 °F
Unit	°C, °F		°C,	°C, °F
Resolution	0.1			
Accuracy	± 0.2	± 0.1		-
Relative Accuracy	-	-	-	± 0.2
Measurement				
Reading Mode	AutoRead(Fast, Medium, Slow), Timed, Continuous			AutoRead, Continuous

Reading Prompts	Reading, Stable, Locked			
Temp. Compensation	ATC, MTC			
Data Management				
Data Storage	500 results each	1000 Groups		200 results each
GLP Features	Yes			-
Log Management	-	Yes		-
Inputs				
Temp./DO Probe	4-pin aviation connector		6-pin MiniDIN	4-pin aviation connector
pH Electrode	-	-	-	BNC(Q9)
Temp. Probe	-	-	-	4-pin aviation connector
Outputs				
USB	PC	USB 2.0 flash memory device, PC	-	-
RS 232	printer	printer,scanner,autosampler	-	-
USB,RS 232	-	-	USB 2.0 flash memory device, printer, PC	-
Display Options				
Backlight	Yes			
Auto Shutdown	1~60 min, off			300, 600, 1200, 1800, 3600 sec, off
IP Rating	IP54			IP65
Date and Time	Yes			-
General				
Power	AC Adapter,100-240 V AC input, DC9V output	AC Adapter,100-240 V AC input, DC24V output		Rechargeable Lithium batter; AC Adapter,100-240 V AC input, DC5V output
Dimensions	242 x 195 x 68 mm	220 x 195 x 68 mm	280x280x130 mm	80 x 255 x 35 mm
Weight	900 g(1.98 lb)	950 g(2.09 lb)	2500 g (5.51 lb)	400 g(0.88 lb)
% Saturation				
Range	-	(0.0 to 600)%		-
Accuracy	-	± 10.0 %	-	-



BMET-401



BMET-402



BMET-403



BMET-404



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