

GENERAL[®]

Dissolved Oxygen Meter

with Excel-Formatted Data Logging SD Card

**Accurately Measures Dissolved
Oxygen Concentration of Liquid or Air**



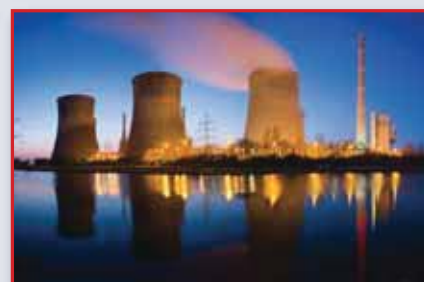
No. DOM551SD

Applications:

- Aquaculture (fish farming)
- Water pollution control
- Food processing
- Photography
- Pulp and paper manufacturing
- Power generation
- Electroplating
- Facilities management



Water Pollution Control



Power Generation

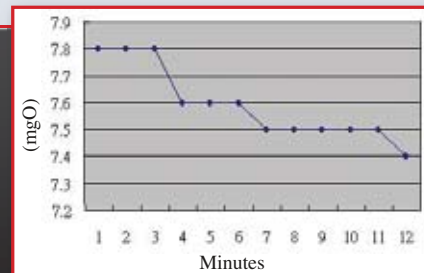
This instrument's unique feature is its patented technique for storing sampled data in Excel format on removable SD memory cards



Patented Technology

	A	B	C	D	E
1	Position	Date	Time	Ch1_Value	Ch1_Unit
2	1	2009/8/12	13:38:29	7.8	mg/L
3	2	2009/8/12	13:38:30	7.8	mg/L
4	3	2009/8/12	13:38:32	7.8	mg/L
5	4	2009/8/12	13:38:34	7.6	mg/L
6	5	2009/8/12	13:38:36	7.6	mg/L
7	6	2009/8/12	13:38:38	7.6	mg/L
8	7	2009/8/12	13:38:40	7.5	mg/L
9	8	2009/8/12	13:38:42	7.5	mg/L
10	9	2009/8/12	13:38:44	7.5	mg/L
11	10	2009/8/12	13:38:46	7.5	mg/L

Typical Excel Data



Typical Excel Plotted Data

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Dissolved Oxygen Meter with Excel-Formatted Data Logging SD Card

Features:

- Uses heavy-duty polarographic oxygen probe
- Precisely measures DO from 0 to 20 mg/L, as well as liquid temperature
- Easy to calibrate
- Supports automatic and manual data logging
- Time-stamps and stores measurements on SD memory cards
- Sampling time settable from 1 second to 9 hours
- Automatically compensates for altitude and salt content of liquids
- 1.5 x 2.0 in. backlit liquid crystal display

Included Accessories:

- Hard carrying case
- Oxygen probe
- Probe-filling electrolyte
- Two spare probe heads and diaphragm set
- 2 GB SD memory card
- User's manual

Optional Accessories:

- 9VDC adapter for 110V power supply (General P/N AC1)
- SDRD1 - SD Card Reader



No. DOM551SD

Specifications:

Embedded Microcontroller: Custom single-chip LSI device
Display Type: LCD with green backlight
Display Size: 2.0 x 1.5 in. (52 x 38mm)
DO Measurement Range: 0 to 20 mg/L
DO Measurement Resolution: 0.1 mg/L
DO Measurement Accuracy: ± 0.4 mg/L
Oxygen in Air Measurement Range: 0 to 100%
Oxygen in Air Measurement Resolution: 0.1% O₂
Oxygen in Air Measurement Accuracy: ±0.7% O₂
Temperature Measurement Range: 32° to 122°F (0° to 50°C)
Temperature Measurement Resolution: 0.1 °F or °C
Temperature Measurement Accuracy: ±1.5 °F (±0.8 °C)
Compensation For Temperature: Automatic
Compensation For Altitude: 0 to 29,200 ft. (0 to 8,900m)
Compensation For Liquid Salt Content: 0 to 50%
Data Logging Sampling Time: 1 second to 9 hours
DO Probe Type: Polarographic

SD Memory Card Capacity: 1 GB to 16 GB

Power Consumption:

- 14 mADC (normal operation, with backlight off and SD card not saving data)
- 37 mADC with backlight on and card not saving data
- 49 mADC with backlight on and card saving data

Operating Temperature: 32° to 122 °F (0° to 50°C)

Operating Relative Humidity: 0 to 85%

Dimensions of Meter:

7.0 x 2.7 x 1.9 in. (177 x 68 x 45mm)

Weight of Meter: 1.08 lb. (489g)

Dimensions of Probe:

7.5 (long) x 1.1 (across) inches (190 x 28mm)

Weight of Probe: 0.74 lb. (335g)

Power Source:

Six "AA" batteries or 9-VDC adapter



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