

Smart Polarizer

conditions a polarographic D.O. sensor



FEATURES:

- Convenient: One unit to test and polarise.
- Universal: Can be used with all popular makes of polarographic sensors.
- Battery Powered: Can be used in the lab or production areas.
- Portable: Small pocket size.
- Simple to Use: Single button press displays nA, °C, Battery Volts.

BENEFITS:

- Full zero and air test to verify the dissolved oxygen sensor is fit for purpose.
- Prevents a faulty sensor being fitted to a vessel.
- Simplifies testing procedures.
- Reduces operational costs.

DESCRIPTION:

The Bradley-James Smart Polarizer conditions a polarographic dissolved oxygen sensor, so that it is ready to use and also allows the user to test the sensor to ensure it is operating correctly, before it is placed in the vessel.

When the dissolved oxygen sensor is connected to the Smart Polarizer a polarizing voltage is automatically applied to the sensor. The unit displays the raw nA output from the sensor, the temperature from the sensor's internal temperature compensator and the unit's battery voltage.

This allows the user to test the dissolved oxygen sensor raw output (nA) in air (100%) and in zero oxygen conditions (0%).

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SPECIFICATIONS:

Polarizing Voltage:	675 mV
Display:	16 x 1 alphanumeric LCD. Displays: nA, °C, Battery Voltage
Range:	0 – 100.0 nA and 0 - 500 nA auto ranging 15 - 50°C
Accuracy:	0 – 100.0 nA ± 0.3 nA 0 – 500 nA ± 1.0 nA Temperature: $\pm 0.5^\circ\text{C}$
Connector:	Industry Standard D4 Variopin Part No: AM-9660-D9 Part No: AM-9660-VP
Battery:	3.6 V Lithium AA
Battery Life:	Display On 1,000 hours Standby (polarizing) 5 years (limited by battery shelf life).
Dimensions:	135 x 75 x 27 mm (box), 170 x 75 x 27 mm including connector
Weight:	250 g
Enclosure:	ABS (Acrylonitrile Butadiene Styrene) resistant to aqueous acids, alkalis, concentrated hydrochloric and phosphoric acids, alcohols and animal, vegetable and mineral oils.

