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Orion 136S Advanced Waterproof Conductivity Meters

- Wide Cell Constant Range for Maximum Compatibility
- Versatile Temperature Compensation Options
- 100 Point Data Log, Bi-directional RS232 and Computer Software for Easy Data Transfer

[Click here to view the Orion Product Guide](#)

Product Detail

The Orion 136S is designed for measurement of conductivity, salinity, total dissolved solids and temperature. Wide measurement range allows for a variety of applications. The meters calibrate via cell constant adjustment method. The Orion 136S also calibrates via AUTO-CAL™, which uses direct entry of conductivity standards. In addition to the basic model features, a 100 point datalogger documents readings for GLP requirements. The RS232 interface and software program allow simple data collection and transfer. Other advanced features include calibration timer, real time clock and calibration printout. The meter is supplied with a built-in quiver, neckstrap, RS232 cable and data transfer software. The Orion 136S is intrinsically safe for use in a non-sparking environment. Complete field kit available. Field kit includes meter, probe or cell, beakers and standards. Meter warranty is three (3) years.

Orion 136S Advanced Waterproof Conductivity Meters


Product#	Price	Package	
0136S0	-	Meter and Conductivity Cell	SELECT
0136S2	-	Meter only	SELECT
0136S3	-	Meter and Field kit	SELECT

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Literature Request

Postal Mail:

- [Orion Laboratory Products Catalog](#)

Specifications:

Conductivity Range :	0.0 µS/cm to 500 mS/cm 4-electrode cell, cell constant 0.55 cm ⁻¹ 0.0 µS/cm to 100.0 µS/cm 2-electrode cell, cell constant 0.1cm ⁻¹
Conductivity Accuracy :	< 0.5% of meas. value + 1 count
Conductivity Resolution :	0.01 at < 99.99 µS/cm 0.1 at > 99.99 µS/cm
Salinity Range :	0.0 to 45.0 (10 to 30 °C)
Salinity Resolution :	< 0.3°C + 1 count
Total Dissolved Solids Range :	0 to 1999 mg/L (10 to 40°C)
Temperature Range :	-20°C to 120°C
Temperature Resolution :	0.1
Temperature Accuracy :	0.3
Cell Constant (cm⁻¹) :	0.001 cm ⁻¹ to 199.9cm ⁻¹
Cell Calibration :	Direct entry of cell constant automatic determination of cell constant by KCl solution: 0.01 to 0.1 M)
Datalogger :	100 (automatic storage of measured values, either timer-controlled, event-controlled, or manual datalogging)
Remote Interface :	Serial, bidirectional, asynchronous, 600, 1200, 2400, 4800, 9600 baud rate
Waterproof rating :	IP66
Agency Approvals :	CE, FM & Ex Intrinsically safe
Display :	Custom LCD
Inputs :	8 Pin WP DIN


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Technical Information

[DO and Conductivity Theory](#)