

Water Quality Meters

Thermo Scientific Orion 261S & 131S Field Meters

Orion Field Meters are portable waterproof instruments that can measure pH, conductivity, and dissolved oxygen in the field. A complete line of Orion electrodes, buffers, solutions and accessories for these meters are available from Geotech.

FEATURES

Model 261S pH/mV/Temperature Meter

The Model 261S was designed for accurate measurement of pH, mV and temperature in the field. The Model 261S is rated as intrinsically safe for measurement in hazardous and confined space environments and anywhere non-sparking equipment is desired. A large easy-to-read display monitors electrode response conditions and calibration status as well as pH, mV and temperature readings. The battery-operated meter is supplied with a built-in quiver and neckstrap. The meter and electrode package contains a rugged, low-maintenance Orion Triode 3-in-1 combination pH electrode.

- Waterproof and intrinsically safe
- 2 point autocalibration with choice of buffers
- Designed for field use
- Optional RS 232 interface and software



Model 131S

Waterproof Conductivity/TDS/Salinity/Temperature Meter

The Model 131S is designed for measurement of conductivity, salinity, total dissolved solids and temperature. Wide measurement range allows for a variety of samples. The meter calibrates via cell constant adjustment method. The meter is compatible with two or four electrode cells. Temperature compensation options, such as automatic or manual linear function, and nonlinear function for ultrapure or natural water are available. This meter offers an easy-to-use interface and GLP features such as cell status and self-diagnostic testing. The Model 131S is intrinsically safe for use in a non-sparking environment. Complete field kit available.

- Intrinsically safe (explosion proof)
- Compatible with USP regulations
- Wide cell constant range for maximum compatibility
- Optional RS 232 interface and software



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.
 2650 East 40th Avenue • Denver, Colorado 80205
 (303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242
 email: sales@geotechenv.com website: www.geotechenv.com

Water Quality Meters

Thermo Scientific Orion 261S & 131S Field Meters

SPECIFICATIONS

Model 131S

Waterproof Conductivity/TDS/Salinity/Temperature Meter

Conductivity:

Range 0.0µ/cm to 500 mS/cm
4 electrode cell, cell constant
0.55cm-1 0.0µS/cm to 100.0 µS/cm
2-electrode cell, cell constant
0.1cm-1

Accuracy <0.5% of meas. value + 1 counts

Resolution 0.01 at <99.99 & microS/cm
0.1 at >99.99 & microS/cm

Salinity:

Range 0.0 to 45.0 (10° to 30°C)
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

Resolution 0.1

Accuracy 0.3

Compensation NTC 30 Û (automatic detection)
or manual, linear TC characteristic
0.00 to 9.99%/°C or non-linear for
natural waters and ultrapure water
(NLF)

Cell Constant: 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, 0.1, 1M

Waterproof Rating: IP66

Agency Approvals: CE, FM & Ex (intrinsically safe)

Display: Custom LCD

Inputs: 8 pin waterproof DIN

Model 261S

pH/mV/Temperature Meter

pH:

Range -2.00 to 16.00

Accuracy 0.01

Resolution 0.01

Calibration Points 3

Temperature:

Range -20°C to 120°C

Resolution 0.1°C

Relative Accuracy 0.3°C

Millivolt:

Range ±1300 mV

Accuracy 0.1% value + 0.30

Resolution 0.1 mV

Display: Custom LCD

Inputs: Waterproof DIN,
4mm banana

Power: 3 x alkaline AA batteries

Agency Approvals: CE, FM,
Ex (intrinsically safe)

Environmental

Requirements: -10°C to 55°C



*Geotech offers technical support
as well as annual calibration
and cleaning service
for all meters!*

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue • Denver, Colorado 80205
(303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242
email: sales@geotechenv.com website: www.geotechenv.com