

Conductivity Meter

FEATURES

- Modern and functional housing
- Outstanding price/performance ratio
- 3-line display / overhead display at the push of a button
- Backlight
- Waterproof (IP67)
- Durable, long battery life
- High-quality measuring cell for wider range of up to 100 mS/cm
- Wartungsfrei
- Automatic temperature compensation
- Salinity display for seawater
- Concentration display TDS (mg/l)

RS PRO Conductivity Meter / EC-Meter

RS Stock No.: 205-0958



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Conductivity Meter

Product Description

The primary focus in the development of the new RS 1410 series was placed on the essential functions of the measurement technology. Pure measurement with a focus on precision, speed and reliability packaged in a compact housing distinguish an impressive price / performance ratio. The new handheld measuring devices also impress with their ergonomic design, dust and water-protected design in accordance with IP 65/67 and the illuminated display. The compact conductivity-measuring device as a RS 1410 has a precise and durable wide-range measuring cell for universal use from DI water to salt water.

Applications:

- Freshwater and salt water aquariums
- reverse osmosis and similar filters
- cleaning processes
- cooling/lubricating processes
- plant cultivation and agriculture laboratories
- quality assurance service

General Specifications

| | |
|-------------------------------------|--|
| Model Name | RS 1410-1002 |
| Display Type | LCD 3-line unit and background light |
| Max. Temperature Compensation | -105.0°C |
| Min. Temperature Compensation | -5.0°C |
| Conductivity cell | 2-pole measuring cell, Ø 12 mm (graphite), cable 1.2 m |
| Sampling rate | 3 samples/sec |
| Accuracy | ±2% |
| TDS Conversion Factor | adjustable from 0.45 to 1.00 |
| Data logging | no |
| Sensor input Connector | Fixed connection of sensor |
| Communication Interface | no |
| Applications | Freshwater and salt water aquariums reverse osmosis and similar filters cleaning processes cooling/lubricating processes plant cultivation and agriculture laboratories quality assurance service |
| Calibration Availability | |
| Operating conditions device | -20 ... +50 °C, 0 ... 95 % RH (non condensing) |
| Operating conditions measuring cell | -5 ... +80 °C (shorttime 100 °C) |

Conductivity Meter



Measurement

| Parameter | Range | Resolution |
|-----------------------|---|---|
| Conductivity | 0 to 2000 $\mu\text{S/cm}$ 0.00 to 20.00 mS/cm 0.0 to 100.0 mS/cm | with automatic measuring range shifting |
| Accuracy conductivity | $\pm 0.5\%$ of m.v. $\pm 0.5\%$ FSS | |
| TDS | 0 to 2000 mg/l (ppm) | 1 mg/l (ppm) |
| Temperature | -5.0°C to 105.0°C | 0.1°C |
| Accuracy temperature | ± 0.3 °C | |
| Resistivity | - | - |
| Salinity | 0.0 to 50.0 g/kg (PSU) | 0.1 g/kg (PSU) |

Electrical Specifications

| | |
|-----------------------|--|
| Power Source | Battery |
| Battery Type | 2x AA |
| Battery Life | >1000 hours |
| Auto Power Off time | 15, 30, 60, 120 or 240 minutes, or can be disabled |
| Low Battery Indicator | Yes |

Mechanical Specifications

| | |
|---------------|-------------------------|
| Dimensions | |
| Width | 28mm |
| Length | 54mm |
| Height | 108mm |
| Weight | 200g |
| Body Material | Break-proof ABS housing |

Protection Category

| | |
|---------------|---------|
| IP Protection | IP65/67 |
|---------------|---------|

Additional Information

| | |
|----------------------|---------------|
| EAN | 4058175682831 |
| Custom Tariff Number | 90278020 |

Approvals

| | |
|---------------------------|-------------------------|
| Compliance/Certifications | CE |
| Declarations | Manufacturer Conformity |

Conductivity Meter



Accessories Includes

| Stock # | Item Name | Item Description | Qty |
|---------|---------------|--|-----|
| | Case 1002 | Suitable case with foam lining for RS 1410 | 1 |
| | Test protocol | | 1 |
| | | | |
| | | | |
| | | | |
| | | | |

Similar Products Range

| Parameters | Stock# | Stock# |
|------------|--------|--------|
| Model # | | |
| | | |

PRODUCT ADDITIONAL INFORMATIONS / ILLUSTRATIONS