



# Conductivity Meter PCE-CM 41



## Conductivity meter for EC and TDS (amount of salts and dissolved solid materials)

With the conductivity meter PCE-CM 41 it is possible to measure conductivity value, the amount of all the solid material or dissolved salts (TDS - Total Dissolved Solids) and the temperature. The conductivity meter PCE-CM 41 is very easy to carry everywhere thanks to its small size. The water resistant enclosure protects properly the electronics (it also protects against dust). The measurement of EC and TDS conductivity has an automatic temperature compensation. The conductivity meter PCE-CM 41 has a wide field of application and can be used in the industry, fish farming, horticulture and others.

- ▶ Two measurement ranges for a high accuracy.
- ▶ Measures conductivity, TDS value and temperature (3 devices in one)
- ▶ TDS factor can be selected
- ▶ Auto shut-off: to protect battery life.
- ▶ Temperature in °C or °F
- ▶ Water resistant (IP 67)

Subject to change

# Specifications

|                                   |                                                                       |
|-----------------------------------|-----------------------------------------------------------------------|
| Measurement range EC conductivity | 0...2000 $\mu\text{S}/\text{cm}$ , 0...20 $\text{mS}/\text{cm}$       |
| Resolution EC conductivity        | 1 $\mu\text{S}/\text{cm}$ , 0.01 $\text{mS}/\text{cm}$                |
| Accuracy EC conductivity          | $\pm 1\%$ of the measurement range                                    |
| Measurement range salinity TDS    | 0...2000 $\text{mg}/\text{l}$ (ppm), 20000 $\text{mg}/\text{l}$ (ppm) |
| Resolution salinity TDS           | 1 ppm (<1320 ppm), 10 ppm(> 1320 ppm)                                 |
| Accuracy salinity TDS             | $\pm 3\%$ of the measurement range                                    |
| Measurement temperature           | 0.0...+60 $^{\circ}\text{C}$ / 32 ... 140 $^{\circ}\text{F}$          |
| Resolution temperature            | 0.1 $^{\circ}\text{C}$                                                |
| Accuracy temperature              | $\pm 0.8\text{ }^{\circ}\text{C}$                                     |
| TDS                               | 1 ppm (<1320 ppm) 10 ppm(> 1320 ppm)                                  |
| Calibration                       | 1413 $\mu\text{S}/\text{cm}$                                          |
| Operating conditions              | 0...+60 $^{\circ}\text{C}$ / 32 ... 140 $^{\circ}\text{F}$ / 80% r.H. |
| Power supply                      | 4 x 1.5 V batteries type AAA (incl.)                                  |
| Dimensions                        | 186 x 40 mm (HxW)                                                     |
| Weight                            | 130 g                                                                 |

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