

spirax/sarco®

MS 1 Conductivity Meter

- Automatic temperature compensation
- Wide selectable range
- Automatic switch-off

General description

The Spirax Sarco MS 1 is a battery powered conductivity meter designed for use with liquids. It is particularly suitable for measuring the conductivity of boiler water, feed water, or condensate samples in order to estimate the level of Total Dissolved Solids, or TDS.

The instrument is fitted with a permanently wired carbon electrode sensor with integral temperature sensor.

A plug-in extension lead is also provided to allow ac resistance measurements to be made on installed conductivity probes in order to check their condition. Calibration to a master instrument or standard solution is possible using the adjustment screw on the side of the case. The instrument is supplied in a protective wallet.

Limiting conditions

Maximum recommended sensor operating temperature 113°F (45°C).

Specification

Ranges	0 to 199.9 μ S/cm, 0 to 1.999mS/cm, 0 to 19.99mS/cm.
Range indication	Decimal Point and LED above selection key.
Temperature compensation	Automatic, 2%/°C. Reference temperature 77°F (25°C).
Resolution	0.1 μ S/cm.
Accuracy	+/-1.5% or +/-3 digits (whichever is greatest) at 77°F (25°C).
Calibration range	+/-20%. 20 turns (approx).
On/off	Auto-off timer.
Sensor	PVC cell with carbon electrodes.
Extension cable	Twin core, jack plug and crocodile clips.
Battery	PP3 or equivalent. A low battery warning indicator is fitted.

Dimensions (approx in inches and millimetres)

Instrument	3.2" x 5.8" x 1.5" (80 x 147 x 39)
Sensor cable	36" (1000)
Extension cable	36" (1000)
Weight	1lb (430g) with case

How to specify

1 - Spirax Sarco MS 1 Conductivity Meter.

