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Ecoscan Cond 6+ Conductivity Gauge Kit

INDUSTRIAL PHYSICS

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Product Integrity

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Portable and Precise Conductivity Testing

The Ecoscan Cond 6+ Conductivity Gauge Kit is a highly accurate, portable testing device designed for measuring conductivity and temperature. Perfect for industries like agriculture, printing, anodizing, laboratories, and paint production, this kit provides everything you need for fluid conductivity testing in one package.

Powerful and Accurate Conductivity Measurement

Equipped with a microprocessor, the Ecoscan Cond 6+ provides precise measurements with a cable electrode and temperature probe. It features automatic temperature compensation (ATC) and reduces air entrapment for stable, repeatable results. With five pre-set conductivity ranges and auto-ranging, it adapts to various testing samples.

Portable and Durable Design

Lightweight and easy to transport, the Ecoscan Cond 6+ is designed for both field and lab use. It features a protective probe guard, splash-proof keyboard, and comes in a rubber armor shell for added durability. A built-in stand allows for convenient bench-top operation.

Reliable and Long-Lasting Power

The device includes a low battery warning indicator to ensure you never run out of power mid-test. With quality batteries, the Ecoscan Cond 6+ offers over 100 hours of use and features an automatic shutdown function to conserve power.

Clear and Easy-to-Read Results

Measurements are displayed on a large, four-digit LCD screen for easy reading, even from a distance. The device is self-diagnostic and displays message codes for quick troubleshooting.

Technical Specification:

Conductivity range:	to 19.99 µS /cm, 19.9 µS to 199.9 µS, 199.9 µS /cm to 1999 µS/cm, 2.00 mS/cm to 19.99 mS/cm, 20.0 mS/cm to 199. 9mS/cm
Resolution and accuracy:	0.05% full scale & ±1% full scale + 1 LSD
Temperature range:	0 to 80.0°C (32 to 176°F)
Resolution and accuracy temp:	0.1°C (0.1°F) & ± 0.5°C (±0.9°F)
Temperature compensation:	Automatic / Manual (0 to 80°C)
Temperature coefficient:	0.0% to 3.0%
Temperature normalization:	20.0°C to 25°C
No. of calibration points:	up to five max (one per range)
Special functions:	Auto power-off after 17 minutes; hold & self-diagnostic messages
Power:	Four 'AAA' x 1.4V batteries > 100 hours

Scope of Supply:

- 1 x Eutech Cond 6+ conductivity meter with electrode (ECCONSEN91B)
- Conductivity carrying kit containing:
  - 1 x 1413 uS, 12.88 mS, 84 uS KCl standard solution
  - 1 x deionized (rinse) water (60 ml)
- Declaration of conformity & warranty card
- Calibration certificate
- Instruction manual

Benefits:

- Multi-point push button calibration with ±1% full scale accuracy
- Quick, easy automatic calibration or customized, near-to-sample manual calibration options
- Auto-ranging for conductivity measurements for fast response and best resolution over a wide testing range
- Automatic temperature compensation (ATC) for optimum accuracy under fluctuating temperatures
- Hold function momentarily freezes reading for easy viewing
- Auto power-off saves battery power after non-use
- Self- diagnostic with message codes for easy troubleshooting
- Large custom LCD provides optimum viewing even at distance
- Electrode with built-in ATC designed for minimal air bubble entrapment during measurement
- Protective rubber boot shields meter from drops and features a sturdy, built-in stand for easy bench top operation.

Ordering Information:

Catalog Number	Article Description
HI0040	Ecoscan Cond 6+ Conductivity Gauge Kit

How to use the Ecoscan Cond 6+:

1. Rinse the electrode with deionized water
2. Dip the probe in the test sample
3. Wait for the reading to stabilize and record the result Its six splash-proof keys offer easy one-touch functionality, including automatic calibration and a hold button to freeze the measurement for later review.

Disclaimer
The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

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