

TESTING & MEASURING DEVICES

AD32 Waterproof EC/TDS Pocket Tester

**Professional Waterproof
Conductivity-TDS-Temperature
Pocket Tester with Replaceable Probe**



The **DRAGSYS AD32** is a professional waterproof pocket tester designed for measuring **Electrical Conductivity (EC)**, **Total Dissolved Solids (TDS)** and **temperature** in water and liquid samples. Its housing is completely sealed against humidity, while automatic temperature compensation provides compensated EC and TDS measurements. The AD32 features automatic one-point calibration, a stability indicator on the LCD, selectable EC/TDS conversion factor and temperature compensation coefficient. The interchangeable **AD32P EC/TDS/Temperature probe** can be easily replaced by the user, while its encapsulated temperature sensor provides fast and accurate temperature measurement and compensation.

Professional Waterproof EC/TDS Pocket Tester



The **DRAGSYS AD32** combines EC, TDS and temperature measurement in a compact waterproof pocket instrument designed for practical water quality and liquid sample testing. It provides an EC range of **0.00 to 20.00 mS/cm** and a TDS range of **0.00 to 10.00 ppt**, making it suitable for measurements requiring a higher conductivity range. The waterproof housing is sealed against humidity, while the clear LCD provides a stability indicator to support convenient and reliable readings. The instrument features **automatic temperature compensation**, automatic one-point calibration and a selectable conversion factor for EC/TDS measurements, allowing the tester to be adapted to different measurement requirements. Its interchangeable **AD32P EC/TDS/Temperature probe** can be easily replaced by the user, while the encapsulated temperature sensor provides fast and accurate temperature measurement and compensation.

Application:

- Laboratory water testing
- Water quality testing
- Environmental measurements
- Routine conductivity monitoring
- Educational laboratories
- TDS measurement
- Liquid sample analysis
- Field and portable measurements

Quality and Expertise



DragSys is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that Physiotherapy equipment manufactured by DragSys consistently meets the highest standards of quality and reliability.

DragSys testing & measuring devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragSys products, which comply with current European standards and bear the CE mark.



The **DRAGSYS AD32** delivers practical EC, TDS and temperature measurement in a compact waterproof design. With automatic temperature compensation, one-point calibration and a replaceable probe, it provides a convenient solution for routine water quality and liquid sample testing in laboratory and field environments.

Features:

Waterproof Housing

The housing is completely sealed against humidity, providing reliable operation in wet and demanding measurement environments.

EC, TDS & Temperature Measurement

Measures electrical conductivity, total dissolved solids and temperature in a single compact pocket instrument.

High-Range EC Measurement

Provides an EC measurement range from 0.00 to 20.00 mS/cm for applications requiring a higher conductivity range.

TDS Measurement

Measures TDS from 0.00 to 10.00 ppt, supporting routine total dissolved solids testing.

Automatic Temperature Compensation (ATC)

EC and TDS readings are automatically compensated for temperature effects to support accurate measurements.

Automatic One-Point Calibration

The instrument allows simple and convenient automatic calibration at one point.

Selectable EC/TDS Conversion Factor

The user can select the EC/TDS conversion factor according to the measurement requirements.

Selectable Temperature Compensation Coefficient

The temperature compensation coefficient can be selected by the user for greater measurement flexibility.

Stability Indicator

A stability indicator on the LCD helps the user identify when the measurement has reached a stable condition.

Replaceable AD32P Probe

The supplied AD32P EC/TDS/Temperature probe is interchangeable and can be easily replaced by the user.

Encapsulated Temperature Sensor

The encapsulated temperature sensor allows fast and accurate temperature measurement and compensation.

°C / °F Temperature Display

Temperature values can be displayed in either °C or °F according to user preference.

Low-Battery Indicator

A low-battery symbol alerts the user when the batteries become weak and require replacement.

Battery Percentage Indicator

The instrument provides an indication of the remaining battery level after startup.

Compact Pocket Design

The compact design makes the AD32 convenient for portable measurements and routine testing.

User-Replaceable Probe

The probe can be replaced by simply unscrewing the plastic ring and installing a new compatible probe.



Specifications

Product Overview	
Product Type	Waterproof EC/TDS Pocket Tester
Model	AD32
Measurement	EC / TDS / Temperature
EC Range	0.00 to 20.00 mS/cm
TDS Range	0.00 to 10.00 ppt
Temperature Range	0.0 to 60.0°C / 32.0 to 140.0°F
EC Resolution	0.01 mS/cm
TDS Resolution	0.01 ppt
Temperature Resolution	0.1°C / 0.1°F
EC/TDS Accuracy	±2% f.s.
Temperature Accuracy	±0.5°C / ±1°F
EC/TDS Calibration	Automatic, 1 point
Temperature Compensation	Automatic
Probe	AD32P – EC/TDS/Temperature probe
Battery Type	4 × 1.5 V, Button Type
Battery Life	Approx. 100 hours of use
Auto-Off	After 8 minutes of non-use
Operating Environment	-5 to 50 °C / 23 to 122 °F; RH 100%
Dimensions	175.5 × 39 × 23 mm
Weight	100 g
Supplied Accessories	AD32P – EC/TDS/Temperature probe, AD70030 – 12.88 mS/cm calibration solution in sachet, 20 ml, Protective cap, Clip holder, Wrist strap, 4 × 1.5 V button-type batteries and Instruction manual

Order Information:

Description	Model	Article number
Waterproof EC/TDS Pocket Tester	AD32	100180