

THE RANGER KIT: DO

PRODUCT CODE: RG823-1231482



EVERYTHING YOU NEED for precision DO readings

Grab a kit and get measuring fast!

The Ranger Kit: DO has everything you need for measuring dissolved oxygen levels in the field.

This kit features The Ranger Handheld field meter at its core.

- The Ranger Handheld is the latest and greatest in our portable meter range - giving you accurate and reliable water quality measurements.
- Although this kit is tailored for DO readings - The Ranger also has connectivity for PH, EC, and ORP sensors.
- This gives you the freedom to expand to other parameters at a later date, without needing to invest in another meter.



WHAT'S IN THE BOX

Your Ranger Kit: DO contains everything you need to get started measuring DO water parameters in the field.

This kit contains -

- The Ranger Handheld

IN THE RANGER HANDHELD BOX

- Power Adaptor
- USB Data Cable
- Protector Caps



- DO-100 Sensor
- 1 Metre Quick-Snap Cable
- Protective Ranger Sleeve
- 120ml Sample Jar



THE RANGER | INCLUDED



Push-Pull quick sensor connector

IP67 waterproof with sensor auto-detect means plug and play

IN THE BOX

- Power Adaptor
- USB Data Cable
- Protector Caps

Colour Coded parameter icons

For easy identification



Class-leading optically bonded Gorilla Glass

Strong and cuts out glare

Rugged IP67 waterproof housing

Designed for real-life use



DO-100 SENSOR | INCLUDED

A plug-and-play optical Dissolved Oxygen sensor - designed to save time, with no membranes, liquids or air bubbles to worry about. Zero calibration is taken care of in the factory, saving time and errors. No oxygen is consumed from samples, giving you confidence in your measurements. Designed to be slim enough to fit inside a wine bottle, this DO sensor is simple and convenient.

- Optical DO sensor suitable for outdoor or indoor use
- Conveniently slim, only 12 mm wide
- Easy, wipe clean, no fuss design, saving time and training
- Replaceable membrane cap for simple maintenance

VIEW THE DO-100 DATASHEET

3m, 5m, and 10m cables are also available as an option.

If you would like one of these lengths instead of the standard 1 metre cable, please reach out to us for a quote.

SPECIFICATIONS

THE RANGER HANDHELD



Channels	3x Universal Isolated Sensor Channels
Connectors	Light Weight Aluminium PushPull Connectors
Charging & Data Transfer	Magnetic USB-C Cable
Display	High Resolution, Sunlight Readable 4.0" , 480x800, 233ppi, with Gorilla Glass
Keypad	Mechanical Switches rated to 500,000 key presses
Battery	Built In Fast Charge Lithium Battery. 20%-80% in 2 Hrs Recharge
Battery Life	Approximately 1 week of average use
Data Logging	Up To 10,000 Data Records CSV Format
GLP Features	Date, Time, Calibration, Sensor Identification, Handheld Identification
Body Material	Polycarbonate (Main Body), Silicone (Protective Sleeve)
Operating Temperature Range	0 - 50 °C (Operating), 0 - 40 °C (Charging)
Weight	Approx - 490 grams (Without Protective Sleeve) Approx- 590 grams (With Protective Sleeve)
Size	225mm (L), 85mm (W), 40mm (H) (Without Protective Sleeve) 228mm (L), 91mm (W), 45mm (H) (With Protective Sleeve)
Ingress Protection	IP67

DO-100 RANGER SENSOR



DO Range	DO - 0.00 to 50.00 mg/L Saturation - 0.0 to 500.0 %
DO Resolution	0.01 mg/L, 0.1%
DO Accuracy	0-100% < ± 1%, 0.1 mg/L 100-200% < ± 2 %, 0.2mg/L
DO Response Time	< 90 seconds to 95% of full response
DO Sensor Type	Optical
DO Calibration	1 Point (100%) Auto Buffer Recognition
Temperature Sensor	Integrated
Temperature Sensor Resolution	0.1 °C
Temperature Sensor Accuracy	±0.2 °C
Sensor Body Material	Polycarbonate
Sensor Wetted Material	ABS and Stainless
Operating Temperature Range	0 - 50 °C
Weight	89 grams
Size	25mm (Dia), Length-252mm (L)
Ingress Protection	IP67

Specifications subject to change