

## The *Easy*Probe™
Model 5001

Two EasyProbe options are available from Solinst Eureka, both offering high-performance water quality monitoring at a low cost.

**The *Easy*Probe20** includes a multiprobe with temperature, dissolved oxygen, conductivity, and pH/ORP sensors in a 1.95" (50 mm) diameter instrument, a weighted sensor guard, a tool and maintenance kit, and a soft carrying case.

**The *Easy*Probe30** includes the same as the *Easy*Probe20 plus a turbidity sensor with wiper in a 2.95" (75 mm) diameter instrument and optional battery pack for self-powered logging.

The *Easy*Probes are also available with the following options and accessories: depth (level) sensors, USB adapter and data cable for connection to a Windows PC, 5, 10, 20, 30, 40, and 50 m underwater cables, integrated SDI-12 and MODBUS output for connection to third-party devices, *Bluetooth*®-equipped tablet (Apple® and Android™) with waterproof case, flow cell, copper anti-fouling kit, pipe kit, telemetry kit, and calibration solutions.

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## Applications for the *Easy*Probe

The *Easy*Probe is a simple option for the following water quality monitoring applications:

- spot-checking
- unattended logging
- remote telemetry
- wastewater
- education and research
- aquaculture
- lakes, rivers, estuaries
- process control
- laboratory research
- groundwater monitoring



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## Why Choose an *Easy*Probe?

- **Reliability.** Solinst Eureka multiprobes are so well suited for demanding field conditions that Solinst Eureka is the only manufacturer providing a three year warranty that includes all sensors. Superior sensors mean you can trust your data.
- **Fitness for Purpose.** Solinst Eureka uses the best sensors and materials to meet all field conditions. Multiprobe construction and operation have been tested in thousands of demanding applications over several decades.
- **Lifetime Cost.** Not only does the *Easy*Probe have a highly competitive purchase price, but it also has the lowest maintenance costs in the industry.
- **Service After Sale.** If you run into a problem, Solinst Eureka Customer Support responds immediately to e-mails and phone calls and does not rest until your problem is solved.
- **Ease of Use.** *Easy*Probes are easy to calibrate and deploy. Our hallmark software is so simple you can walk through it in just a few minutes. Easily access the software on our Downloads Page.
- **Warranty.** Industry-leading three-year warranty.



## Connectivity is Easy with the *Easy*Probe

The *Easy*Probe communicates using the underwater cable connected to the mantaMobile™. SD1-12 and MODBUS are available to connect to dataloggers, controllers, telemetry, and other third-party devices.

The mantaMobile is a rechargeable, high-capacity lithium battery with Bluetooth transceiver in a water-resistant case. The mantaMobile communicates via Bluetooth to Android or Apple display devices, including tablets and phones. The mantaMobile will power an *Easy*Probe for eight hours or more.

MantaLink™ is the software app used to access the functions and data from your *Easy*Probe. Installing MantaLink on your display device takes just a few minutes. Connecting the *Easy*Probe to your display device takes just a few seconds.

Use MantaLink's simple menu structure to perform basic functions like data capture, calibration, and sensor parameter selection. The email feature allows quick transfer of field data to your home computer. Advanced features like geofencing make your sampling job even easier. With MantaLink's black background and large, white letters, your data device is easily read in sunlight.

Bluetooth®




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## EasyProbe Specifications

Multiprobe specification charts often come with footnotes stating qualifications such as "accuracy specification good at the time and temperature of calibration" or "all values within 1 standard deviation" or "SC accuracy applies only at the calibration point".

To avoid eyestrain from reading small print, the EasyProbe specification chart has "lab accuracy" and "field accuracy" columns. The latter gives you a more realistic idea of how your multiprobe performs, over time, under common field conditions.

| Parameter, Units | Range | Resolution | Lab Accuracy | Field Accuracy |
|---|---|---|---|---|
| temp, ºC | -5 to 50 | 0.01 | 0.1 | 0.1 |
| pH, units | 0 to 14 | 0.01 | 0.1 | 0.2 |
| ORP, mV | -999 to 999 | 1 | 20 | 40 |
| SC, uS/cm | 0 to 200,000 | four digits; maximum of one decimal | 1% of reading +/-1 | 1% of reading +/-1 |
| Value DO, % Sat | 0 to 200 | 0.1 | 2 | 3 |
| | 200 to 500 | - | 4 | 6 |
| Value DO, mg/l | 0 to 50 | 0.1 | Corresponds with % Sat | |
| turbidity, FNU, NTU | 0 to 1,000 | four digits; maximum of two decimals | 0.3 or 2% of reading | 0.5 or 3% of reading |
| | 1,000 to 4,000 | | 4% of reading | 5% of reading |
| Value depth, m | 0 to 25 | 0.01 | 0.2 | 0.2 |
| BP, mmHg | 400 to 900 | 0.1 | 1.5 | 1.5 |
| TDS, g/l | 0 to 65 | 0.01 | 5% of reading | 5% of reading |
| Sal, PSS (practical salinity units) | 0 to 70 | 0.01 | 0.1 | 0.2 |

Dimensions including weighted sensor guard:

- EP20 - 1.95" (50 mm) diameter, 18.8" (47.8 mm long), 1.8 lbs (0.82 kg)
- EP 30 - 2.95" (75 mm) diameter, 18.8" (47.8 mm long), 3.6 lbs (1.63 kg)



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