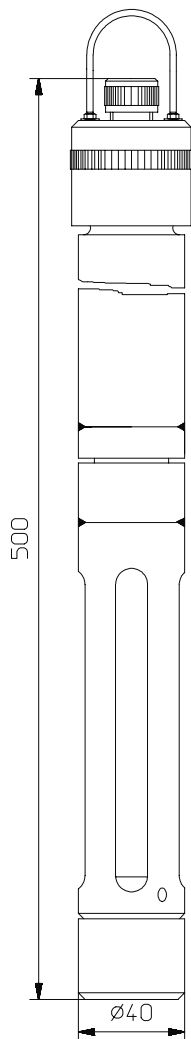


Submersible pH / Temperature Probe AT 324

06/04



The pH/temperature probe AT 32 is a special submersible housing for insertion of a pH or redox (ORP) combination electrode with or without integrated temperature sensor. The housing contains a pre-amplifier and is ideal for submersion into the measured medium e.g. surface water or waste water. In connection with the controller, the temperature value could be used for automatic temperature compensation of the measured pH value.

The AT 324 is completely submersible down to 10 m, contains a pre-amplifier IW 200 or IW 100 with internal Li-battery and an exchangeable pH or redox (ORP) combination electrode. The pre-amplifier transmits the signal from the pH or redox electrode to a low impedance voltage signal suitable for transmission over long distances by a rugged watertight cable. The AT 324 unit with a screw-off protective hood is packaged in an enclosure made of PVC and stainless steel to withstand the roughest field conditions. The water resistant extremely rugged cable connection transmits the low impedance voltage output from the pre-amplifier and in case of the IW 200 the temperature signal in 4-wire connection to the instrumentation. Submerge the AT 324 completely with the help of a cord or a chain so that the cable connection is free.

The AT 324 is ideal if the level of the measured medium changes rapidly or if the measurement must be done in a given depth more than 2 m below the surface or in a well.

Submersible pH/Temperature Probe AT 324/IW 200

recommended pH/temperature combination electrode: EGA 143 SMEK

Submersible pH/Redox (ORP) Probe AT 324/IW 100

recommended pH combination electrode: EGA 173 I, for heavily polluted waters
EGA 150 I, for surface waters and slightly polluted waters

recommended redox (ORP) combination electrode: EMC 33 I

Dimensions: mm

Specifications

Mountable parts

pre-amplifier IW 200 or IW 100; pH or redox (ORP) combination electrodes with PG 13.5 threaded multi-pin SixPlug or S7 plug head in standard dimensions (immersion length 120 mm; diameter 12 mm)

Enclosure material

PVC; stainless steel V4A

Dimensions

Ø about 40 mm, length about 500 mm

Operating temperature

0 ... 50 °C

Pressure

max. 1 bar (14.5 psi)

Cable connection

sensor cable K 14 (one side fixed with AT 324 and other side stripped tinned ends); length 5 m (standard); max. cable length 25 m

Delivery volume

submersible housing AT 324 complete with pre-amplifier and cable connection in accordance with order (AT 324/IW 100 or AT 324/IW 200); please order electrode separately

Sensortechnik Meinsberg GmbH

Quality System certified to DIN EN ISO 9001

Kurt-Schwabe-Straße 6
D-04720 Ziegra-Knobelsdorf /GERMANY

Internet: www.meinsberg.de

Tel. +49 34327 623-0

Fax +49 34327 623-79

