

# Submersible probes with autoclean



Turbidity probes TU 8182 has been designed for submersible measures, and it is equipped with a built-in nozzle for autocleaning by means of pressured air blasts.

The high sensitivity of this probe and the meter allow for very low readings in the scale 4.000 NTU.

By selecting the proper scale of the controller, the system can be used for measuring suspended solids up to 9,999 mg/l

## Accessories

**0012.450043** Extension pipe adapter

**0012.000624** Swivel mounting + 0012.450043

**0012.440040** 33 m PVC tubing for pressured air.

## Technical Specifications

**Measuring method:** Nephelometric (ISO 7027 - EN 27027)

**Range:** 0/4,000 NTU - 0/9,999 mg/l

**Resolution:** 0.001 on scale 0/4.000 NTU

0.01 on scale 0/40.00 NTU

0.1 on scale 0/400.0 NTU

1 on scale 0/4,000 NTU

**Response time:** 10 seconds

**Light:** LED IR 890 nm

**Internal sensor:** for dry cell and dirty lens checking

**Preamplifier:** built-in

**Power:**  $\pm 12$ Vdc

**Operating Temperature:** 0/50 °C

**Temperature of the sample:** 0/50 °C

**Pressure of the sample:** 6 Bar max. at 20 °C

**Body:** PVC

**Optical lens:** Acrylic

**Cable length:** 10 m

**Protection:** IP68

**Auto clean:** Built-in device

**Air line connector:** 1/4" I/E 3/8"

**Air Pressure:** 3 bar

Typical installation of the submersible sensor.

