

Microtransmitters for industrial probes

Suitable for 7685 Series and 565 Series
IP 65 water-tight protection
Water-tight output connector
For immersion and in-line probes
Easy installation and maintenance



080102.1 pH and O.R.P. microtransmitter

The microtransmitter is a differential preamplifier enclosed in a water-tight housing and makes the characteristics of the measuring electrodes signal compatible to those of a normal connection cable.

With this technically advanced solution it is possible to make connections at considerably long distances between the measuring probe and the control panel without the use of a shielded cable maintaining a high signal response speed and the complete absence of interferences, therefore greater precision.

The connection between the microtransmitter and the panel regulator is made using a 4-pin waterproof connector type SZ 9490 and a normal 4-wire cable.

The accessory type SZ 9491 consisting of SZ 9490 + 10 m marked cable is available.

The microtransmitter is protected against eventual connection inversions. It is mounted in the usual way on ST type probes, to be installed with PH 7685 - PH 7685.010 - PH 565.2 - MV 545.2 models.

For unfixed mounting, the SZ 911 accessory must be used.
Recommended cable: 4 x 0.5 mm or 4 x 0.75 mm non shielded.

Accessories

SZ 9490 IP 67 connector for cable
SZ 9491 10 mt cable and SZ 9490 connector
SZ 911 Stopper



080310 E. Conductivity microtransmitter

This miniature preamplifier is realised in a water-tight enclosure with a waterproof connector for a shielded 7-wire cable for the transmission of Conductivity and Temperature signals.

Normally, as an input, a four-electrode cell with a temperature compensation element is connected, while as an output, the models C 7685 or C 565.2 are connected and automatically assume measuring scales in mS.

The connection between the microtransmitter and the controller is made using a 7-pin waterproof connector (cod. 2231520).

Specifications

Input: for 4 electrodes cell and Pt 100

Conductivity range: 0/20 S

Adjustment: zero and sensitivity



080315 Electrodeless Conductivity microtransmitter

This miniature preamplifier is realised in a water-tight enclosure with a waterproof connector for a shielded 7-wire cable for the transmission of conductivity and temperature signals.

Normally, as an input, an electrodeless cell model SI 315 with a temperature compensation element is connected, while as an output, the models C 7685 or C 565.2 are connected. By means of this microtransmitter the above standard conductivity controllers can be used as electrodeless conductivity controllers and assume measuring scales in mS.

The connection between the microtransmitter is made using a 7-pin waterproof connector (cod. 2231520).

Specifications

Input: from electrodeless probes SI 315 - SI 315.1

Conductivity range: 0/40 S

Adjustment: zero and sensitivity

Recommended cable: 7 x 0.25 mm shielded



080610.2 Dissolved Oxygen microtransmitter

This miniature preamplifier is realised in a water-tight enclosure with a waterproof connector for a shielded 7-wire cable for the transmission of dissolved oxygen and temperature signals.

Input comes from polarographic cells and from Pt100 devices. It is used together with the OD 7685 or OD 565.2 models in cases where there are long distances between the oxygen cell and the controller.

The transmitter can be adjusted as far as the zero point, the sensitivity and the cell polarization is concerned.

The connection between the microtransmitter and the panel regulator is made using a 7-pin waterproof connector (cod. 2231520).

Specifications

Input: Polarographic cell and Pt100

Range: 0/20 ppm

Accessories

These accessories are suitable for micro transmitters 080310, 080315 and 080610.2

SZ 9481 cable 10 m, with connector (2231520)

SZ 9483 cable 30 m, with connector (2231520)

SZ 911 stopper for unfixed mounting