Transmitter for pH Probes
OC35-pH

- √ Range 0 -14pH
- √ Two Analogue Outputs:
  Current Output 4-20mA
  Voltage Output 0-10V
- √ 0.1Hz Low Pass Filter
- √ For 35 mm DIN Rails
- √ Supply 24V DC

OC35-pH is an analogue Transmitter for industrial applications. It is designed for two terminal connection to pH Probes for pH measurements 0 -14pH. The high impedance input is designed for the probe signal of ± 413mV. Smaller ranges such as 2-12pH can be ordered.

The mV signals from the pH probe are filtered in a LPF with 10 seconds time constant and converted into two independent process signals 0-10V and 4-20mA. The output signals are isolated from the pH probe and from the supply and. Upon demand they can be fine calibrated with potentiometers at the front. The standard current output 4-20mA can be ordered 0-20mA.

The Accuracy is ± 0.2% F.S. within the ambient temperature range of 23 ºC ± 5 ºC.

OC35-pH Transmitter is supplied from 24VDC and is designed for 35mm DIN Rails. Each unit is delivered with 14 points calibration sheet.

SPECIFICATIONS

Input:	413mV to -413mV correspond to 0 to 14pH. Other ranges are available upon request.
Input Impedance:	10 GΩ.
Voltage Output:	0 - 10V for 0-14 pH, maximum load < 10kΩ.
Current Output:	4-20mA for 0-14 pH. Load 0 to 300 Ω.
Accuracy:	± 0.2% from Full Scale after 10 minutes warm-up time and 23 ºC ± 5 ºC ambient.
Linearity:	± 0.2% from Full Scale.
T/C:	Temperature Coefficient 50ppm/K.
Supply:	18 - 36VDC, 3W.
Cabinet:	25 x 60 x 70mm, weight 75g.
Terminals:	Screw terminals

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