

- ✓ 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  $\pm 413\text{mV}$ . 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  $\pm 0.2\%$  F.S. within the ambient temperature range of  $23\text{ }^\circ\text{C} \pm 5\text{ }^\circ\text{C}$ .

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 G $\Omega$ .
Voltage Output:	0 - 10V for 0-14 pH, maximum load < 10k $\Omega$ .
Current Output:	4-20mA for 0-14 pH. Load 0 to 300 $\Omega$ .
Accuracy:	$\pm 0.2\%$ from Full Scale after 10 minutes warm-up time and $23\text{ }^\circ\text{C} \pm 5\text{ }^\circ\text{C}$ ambient.
Linearity:	$\pm 0.2\%$ from Full Scale.
T/C:	Temperature Coefficient 50ppm/K.
Supply:	18 - 36VDC, 3W.
Cabinet:	25 x 60 x 70mm, weight 75g.
Terminals:	Screw terminals