

PHC97* PH-RH REMOTE TRANSMITTER

PHC97* field and panel mounting are rugged meters microprocessor instruments for accurate, remote readings and conversion readout of pH, rH electrodes measures. Standard analogic output configurable ranging 4÷20 mA along 2wires cable line over 100 meters also no shielded. Temperature self compensation by RTD100 sensor probe.

DESCRIPTION



PHC97F
Field transmitter



PHC97P
panel transmitter

TECHNICAL SPECIFICATIONS

	pH	-1,00 pH...15,00 pH (-500...+500 mV)
	ORP	-1999...+1999 mV
Ph electrode Input	Input impedance	>10 T Ohm
	Cable length	<50 meters shielded (about 5 nF)
	Accuracy	0.1% of reading ± 1 digit $\pm 0.01\%$ of pH per °C of temperature drift
	Pt100 2/4 wires	-50...199.9°C
Temperature input	Transducer energizing	0,5 mA DC
	Cable length	>20 meters shielded (about 2 nF)
	Accuracy	0.2°C $\pm 0,1\%$ of reading $\pm 0.01^\circ\text{C}/^\circ\text{C}$
Compensazione temperatura elettrodo pH		Automatic according to Nerst; Manual -50÷200°C
Current Output	4...20 mA	Scalable proportional to the pH or mV value
	Accuracy	0,5% of reading $\pm 0,02$ mA
	Insulation	2500 Vac 1 min galvanic isolation
Load resistance:		636 Ohm @Vdc = 24 Vdc
Relays A and B Output		Bistable, contact 3 A/230 Vac free potential
Supply:	Passive	4÷20 mA, 2 wire configuration, 10÷35 V
	Active	24 or 230 Vac -15/+10% 1 VA, 48...62 Hz
Esternal dimensions:	PHC97F	120x122x56 mm
Protection class:		IP64
Esternal dimensions:	PHC97P	96x96x126 mm
Protection class:		IP54
Conformity:		EN61000-4-2, EN61010-1 level 3; EN61000-4-2 level 3
		EN61000-4-4/5/11 level 3; IEC1000-4-3; EN55020 class B



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