

COND97* CONDUCTIVITY REMOTE TRANSMITTER

COND97* field and panel mounting are rugged meters microprocessor instruments for accurate, remote readings and conversion readout of conductivity measures with RTD100 temperature probe combined. Standard analogic output configurable ranging 4÷20 mA along 2wires cable line over 100 meters also no shielded.

DESCRIPTION



COND97P
panel mount



COND97F
on field

TECHNICAL SPECIFICATIONS

Input conductivity	Measuring range	0.0...199.9 mS
	2/4 electrodes	Configurable cell constant 0.01...199.9 cm-1
	Transducer energizing	Square wave 10...1000 mV, 200...1600 Hz, depending conductivity
	Input impedance	> 100 Mohm
	Cable length	< 10 mt. Unshielded > 50 mt. shielded (about 2 nF)
Input temperature	Accuracy	0.5% of reading +/- 2 dgt +/- 0.01% x°C
	Pt100 2/4 wires	-50...199.9°C
	Transducer energizing	0.5 mA DC
	Cable length	< 10 mt. unshielded > 50 mt. shielded (about 5 nF)
Temperature compens.	Accuracy	0.2°C +/- 0.1% of reading +/- 0.01°C /°C
	Manual	Linear 0.00...4.00%/°C -50...+200°C
	Automatic	Linear 0.00...4.00%/°C -50...+200°C
	Reference temperature	20 or 25°C selectable
Current output	4.00...20.00 mA	Programmable and proportional to conductivity
	Accuracy	0.5% of reading +/- 0.02 mA
	Insulation	2500 Vac 1 minute
Out relays	A and B	Bistable, contact 3A/230 Vac potential free
Supply	Passive	4...20 mA config. 2wires, 10/35 V fig. 2
	Active	24...230Vca -15/+10% 1VA, 48/62Hz fig. 1
Dimensions	COND97F	96x96x126 mm. IP 44
	COND97P	120x122x56 mm. IP 64
EC Conformity		EN61000-4-2, EN61010-1 level 3
		EN61000-4-2 level 3
		EN61000-4-4 level 3
		EN61000-4-5 level 3
		EN61000-4-11 level 3
		IEC1000-4-3 EN55020 class B



SATEMA

13856 VIGLIANO B.SE - Via Milano, 395

Tel. +39 015811102 - Fax 0158853029

Mail: info@satema.it <http://www.satema.it>