

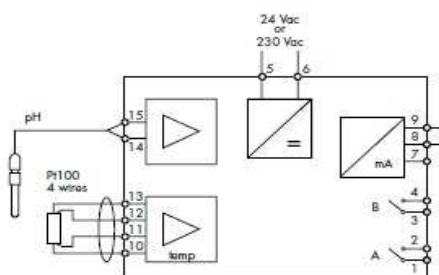
PHT9403 pH-mV FIELD TRANSMITTER

PHT9403 pocket pH transmitter converts the input of a pH/rH electrode, with temperature compensation, into a signal at 4÷20 mA. The pH or Redox electrode input circuit is galvanically insulated against the 4÷20 mA output signal. One LCD indicator allows viewing of all process signal value and easy analytical calibration on field close to electrodes. Accurate and affordable design and choice of components make the instrument precise and reliable for a long working life. Temperature self compensation by RTD100 sensor probe.

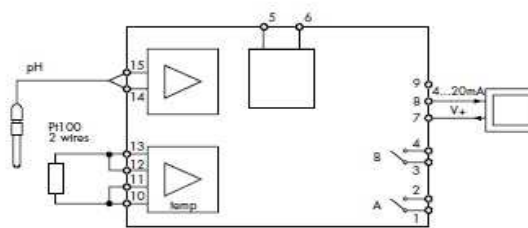


TECHNICAL SPECIFICATIONS

Ph electrode Input	pH	-1,00 pH...15,00 pH (-500...+500 mV)
	ORP	-1999...+1999 mV
	Input impedance	>10 T Ohm
	Cable length	<50 meters shielded (about 5 nF)
Temperature input	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
	Transducer energizing	0,5 mA DC
	Cable length	<10 metres no shielded >20 metres shielded (about 2 nF)
pH electrode temperature compensation	Accuracy	0.2°C $\pm 0,1\%$ of reading $\pm 0.01^\circ\text{C}/^\circ\text{C}$
		Automatic according to Nerst
Current Output	4...20 mA	Programmable and proportional to the pH or mV value
	Accuracy	0,5% of reading $\pm 0,02$ mA
	Insulation	2500 Vac 1 min
Relays A and B Output		Bistable, contact 3 A/230 Vac free potential
Working temperature:		0...50°C
Storage temperature:		-20...70°C no condensation
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:		120x80x56 mm
Protection class:		IP64
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



ACTIVE INDICATOR



PASSIVE TRANSMITTER



SATEMA

13856 VIGLIANO B.SE - Via Milano, 395

Tel. +39 015811102 - Fax 0158853029

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