



pH/mV Transmitter



Mod. : DO 9403T-R1

The DO 9403T-R1 pH transmitter converts the output of a pH electrode, with temperature compensation, into a signal at 4 ~ 20 mA. The pH or Redox electrode input circuit is galvanically insulated against the 4 ~ 20mA output signal. An LCD indicator allows viewing of the process signal value and of the various parameters.

The instrument works in conjunction with a pH or Redox electrode and a temperature probe.

pH / ORP	pH	-1.00pH....15.00 pH (-500...+ 500 mV)
	ORP	-1999...+ 1999 mV
	Input impedance	> 10 Tohm
	Cable length	< 50 metres screened
	Accuracy	0.1% of reading \pm 1 digit \pm 0.01% of pH per °C of temperature drift (excluding Electrode)
Temperature input	Pt100 2/4 wires	-50....199.9°C
	Transducer energizing	0.5 mA DC
	Cable length	< 10 metres unscreened < 20 metres screened (about 2 nF)
	Accuracy	0.2°C \pm 0.1% of reading \pm 2 digits \pm 0.01°C
pH electrode temp. compensation	Automatic	According to Nerst
Current output	4.00....20.00 mA	Programmable and proportional to the pH or mV value
	Accuracy	0.5% of reading \pm 0.02 mA
	Insulation	2500 Vac 1 minute
Relay Output	A and B	Bistable, contact 3 A/230 Vac free potential
Power Supply	Active	24 or 230 VAC -25 / + 10% 1 VA, 48...62 Hz
	Passive	4 \pm 20 mA, 2 wire configuration, 10 \pm 35 VDC
Temp.	Operation	0...50°C
	Storage	-20....70°C, no condensation
Case	External dimensions	120 \times 80 \times 56 mm
	Protection	IP 64

Note : Required pH electrodes to be ordered extra.



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73, Ramachandra Agrahara, Near T.R. Mills, Chamrajpet, Bangalore - 560018, INDIA.

Phone : 080-26749750, 26759253, 26740681 E-mail : sales@htaipl.com Website : www.htaipl.com



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