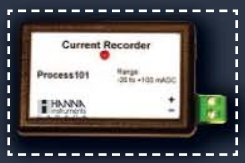
Industrial Measurement & Control Instrumentation

for

Customized Control Panels

- Batching
- Cement industry
- Chemical process
- Circuit board
- Educational
- Electroplating
- Pools & spas
- Printing
- Water purification
- And many more ...



Dataloggers

Controllers

Industrial Probes

HANNA instruments CANADA

Call for more Information

1-800-842-6629

P-L/CONTROLIE

Specifications	Datalogger Process 101
Calibrated current accuracy	0.1% of F.S.R. at calibration temperature
Current RESOLUTION	10 microAmps
Current range	-20 to +100 milliAmps
INPUT connection	Removable screw terminal
Input impedance	10 Ohm
ADC resolution	16 Bits
Current calibration	Digital calibration is available in software
N.I.S.T. traceable	N.I.S.T. certificates available
Calibration date	Automatically recorded within device to alert user when calibration is required
Recording interval	From 2 sec. to 12 h selectable in software
Memory wrap around	Selectable in software
Engineering units	Software programmable. User may program any desired units up to 10 characters in length. This value is stored within the device.
Scale factor	Software programmable. User may program any desired scaling factor from ±1.000E+99 to ±1.000E-99. The scaling factor is stored within the device.
Offset value	Software programmable. User may program any desired offset value from ±1.000E+99 to ±1.000E-99. This offset value is stored within the device.
Real time recording	Device may be used with PC to monitor and record data in real time
Green visual indicator	LED flashes at selected reading rate
Memory	32,768 readings max
User-replaceable battery	1 year typical
Time accuracy	±1 minute per month at 20 °C
Data format	Date and time stamped, mA, other engineering units programmable through software
Shock resistance	drop proof to 5'
Weight	1.5 oz (40g)
Computer interface	PC serial or RS232C COM
Software	Windows® 95/98/NT/2000/XP based software for complete control and operation
Operating environment	-40 °C to +80 °C, 5 to 95% RH (non-condensing)
Dimensions	1.4" H x 3.6" L x 0.6" D (36mm x 92mm x 16mm)
Material	ABS Plastic

Specifications	pH 502 series controllers
Range	0.00 to 14.00 pH / -9.9 to 120.0 °C
Resolution	0.01 pH / 0.1 °C
Accuracy (@ 20 °C / 68 °F)	±0.02 pH / ±0.5 °C
Typical EMC Deviation	±0.2 pH / ±0.5 °C
Input	High Impedance 10^{12} ohm
Calibration	1, 2, or 3 points at pH 4.01, 7.01 and 10.01
Temperature Compensation	Automatic (with Pt100) or manual from -9.9 to 120 °C
Readout	4 1/2-digit dual level LCD with graphic symbols and messages
Outputs	Digital: RS232 bi-directional opto-isolated; or Analog: galvanically isolated 0 to 1 mA, 0 to 20 mA and 4 to 20 mA (max resistive load 1kW), 0 to 5 VDC, 1 to 5 VDC and 0 to 10 VDC (min. resistive load 1kW)
Setpoint Relays(s)	1 or 2 : SPDT NO contact outputs 5 A - 250 VAC, 5 A - 30 VDC (resistive load)
Power Supply	230 V ±10% VAC ; 50 Hz **or** 115 V ±10% VAC ; 60 Hz
Environment	0 to 50 °C (32 to 122 °F); max 85% RH non-condensing
Panel Cutout	140 x 140 mm (5.5 x 5.5")
Dimensions	1/2 DIN 144 x 144 x 170 mm (5.7 x 5.7 x 6.7")
Weight	1.6 kg (3.5 lb)

Specifications	Industrial probes												
		Reference System									Lead		
Part #	**Range**	**Junction**	**Type**	**Electrolyte**	**M.Pin**	**ATC**	**AmpHel**	**T° Range**	**Pressure**	**Connector**	**Cable**	**Body**
Standard glass type pH sensors												
HI 6101405	0-13	Double	Teflon®	Polymer	Yes	Pt100	Yes	-5 to 80 °C	6 bars (87 PSI)	BNC+ Lead	5 m	PVDF
Low T° glass type pH sensors												
HI 1006-1007	0-12	Double	Teflon®	Polymer	Yes	-	-	-10 to 80 °C	6 bars (87 PSI)	BNC+ Lead	5 m	PVDF
High T° glass type pH sensors												
HI 1006-3007	0-14	Double	Teflon®	Polymer	Yes	-	-	0 to 100 °C	6 bars (87 PSI)	BNC+ Lead	5 m	PVDF
HF resistant glass type pH sensors												
HI 1006-4005	0-10	Double	Teflon®	Polymer	Yes	-	-	-5 to 60 °C	6 bars (87 PSI)	BNC+ Lead	5 m	PVDF
Platinum type ORP sensors												
HI 2004-1007	±2000 mV	Double	Teflon®	Polymer	Yes	-	-	-5 to 100 °C	6 bars (87 PSI)	BNC	5 m	PVDF
Gold type ORP sensors												
HI 2004-2007	±2000 mV	Double	Teflon®	Polymer	Yes	-	-	-5 to 100 °C	6 bars (87 PSI)	BNC	5 m	PVDF