



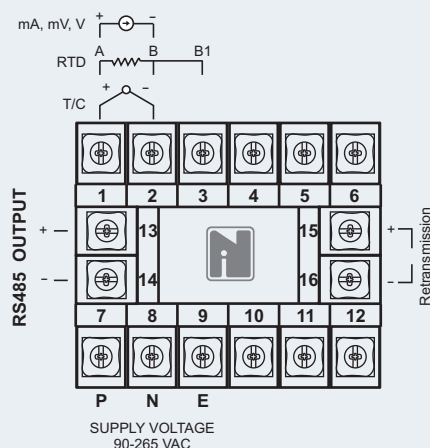
Nippon introduces state of art, truly universal, powerful indicator with inhouse design. The UNIV1010 series is developed with state of art microcontroller. The robust hardware and software makes the indicator very useful in noisy industrial environment. The UNIV1010 finds applications in measurement of Process Parameters Temperature, Pressure, PH, Volume, Force, Torque, Rate, Speed, Voltage and Current Signals...

Specifications

Input	ONE UNIVERSAL Input Thermocouples : J,K,T,R,S RTD's : PT-100 DC mA : 0 – 20 mA, 4 – 20 mA (Maximum 12 Volts) DC mV : ± 50 mV, ± 100 mV, ± 200 mV DC Volts : ± 1 V, ± 3.3 V, ± 5 V, ± 10 V			
Range	Refer 'table below'			
	INPUT TYPE	SENSOR	RANGE	ACCURACY
	R.T.D.	PT-100	-200 to 600°C	$\pm 1^\circ\text{C}$
	THERMOCOUPLES	Chromel/Alumel (K)	0 to 1300°C	$\pm 1^\circ\text{C}$
		Iron - Constantan (J)	0 to 750°C	$\pm 1^\circ\text{C}$
		Copper-Constantan (T)	-200 to 350°C	$\pm 1^\circ\text{C}$
		Pt / Rh (R or S)	0 to 1700°C	$\pm 1^\circ\text{C}$
	D.C. LINEAR INPUTS	4 to 20 mA / 0 to 20 mA	User Programmable	$\pm$ Least count
		± 50 mV, ± 100 mV, ± 200 mV	User Programmable	$\pm$ Least count
		± 1 V, ± 5 V, ± 10 V	User Programmable	$\pm$ Least count
Parameters	Programmable Equations, Multiplication Factors upto 0.1			
Ambient	Compensation automatic, ambient 0-60 °C, for temperature inputs			
Resolution	1 or 0.1 or .01 or .001 programmable			
Display	Super bright in 4 + 4 format , with NO BLINK programming technique • Upper 4 digits 0.5" red colour • Lower 4 digits 0.39" green colour			
Parameter Setting	By soft touch, Elegant, Sturdy membrane keys and User friendly menu driven software			
Password	Multilevel password protection, Protection to individual parameters			
Supply	90-260 VAC , 50 Hz, SMPS design			
Enclosure	96(H) x 96(W) x 110(D) in mm, Modular design, Panel cut out 92(H) x 92(W) 72(H) x 72(W) x 110(D) in mm, Modular design, Panel cut out 68(H) x 68(W) 48(H) x 48(W) x 110(D) in mm, Modular design, Panel cut out 42(H) x 42(W) 48(H) x 96(W) x 110(D) in mm, Modular design, Panel cut out 42(H) x 92(W) 96(H) x 48(W) x 110(D) in mm, Modular design, Panel cut out 92(H) x 42(W)			

Retransmission	4-20 mA or 20-4 mA or 0-20 mA or 20-0 mA programmable, Non-isolated, Retransmission assign for O/P 2 and O/P 3 Provided on request
Alarms	1 no., High / Low, Non Latchable
Communication	RS485, 2-Wire, Half duplex RS485 MODBUS on request, MODBUS RTU or ASCII Baud Rate Programmable 1200/2400/4800/9600, contact factory for higher Baud Rates Options : Profibus Protocol on request Also available Customised Protocol on request

UNIVERSAL INDICATOR in FLAMEPROOF HOUSING



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