

ECO 96 IND Temperature Indicator 1/4 din (96 x 96 mm)
Quality indicator with 10 or 12 inputs
Featuring Large 0.56" High Brightness LED display



- ▶ **ECO 96 IND 10 or 12 Input Digital Indicator**
- ▶ **96 x 96 mm Din Format (92 x 92 mm cut out)**
- ▶ **Bright 0.56 Inch Red LED Display**
- ▶ **Process & Temperature Inputs**
- ▶ **Microprocessor Based**
- ▶ **Precise Linearisation**
- ▶ **Sensor failure detection for Thermocouple inputs**
- ▶ **Simple to install and use**
- ▶ **120 mm deep, behind panel**
- ▶ **High Accuracy**
- ▶ **Designed and made in Great Britain**
- ▶ **Two year parts and labour warranty**

ECO 96 IND High Performance Temperature & Process Indicators

The ECO 96 IND is the latest (96x96 mm) Microprocessor based 10 /12 input digital indicator from **NEWTRONIC**, it is designed and made in Great Britain.

Inputs available include a wide range of thermocouple and resistance thermometer types, plus 4-20 mA and Volts, for process signals.

Non linear inputs are accurately characterised using the microprocessor utilising Multi-breakpoint piecewise linearisation techniques.

NEWTRONIC digital indicators are covered by two years parts and labour warranty.

GENERAL SPECIFICATION

Displays	Large 0.56" 4 digit High Efficiency Red 7 segment led display.		
Facia	Polyester, dustproof resistant to most liquids with red anti-glare filter.		
Case	Glass reinforced high impact plastic		
Terminals	Independent rising clamp terminal blocks, for inputs and mains supply (screw connectors).		
Dimensions	Overall 96 x 96 x 128 mm (Behind panel). Cut-out 92 x 92 mm to Din 43700.		
Weight	450 grams approx.		
Ranges	Thermocouple to BS4937 (1981) Fully linearised.		
	T.C Type K NiCr / NiAl	Range 1	-200 °C 1300 °C
	T.C Type J Fe / Con	Range 2	-200 °C 800 °C
	T.C Type R Pt 13% Rh	Range 3	0 °C 1700 °C
	T.C Type S Pt 13% Rh	Range 4	0 °C 1700 °C
	T.C Type N Nicrosil / Nisil	Range 5	- 200 °C 1300 °C
	T.C Type T Copper / Con	Range 6	- 260 °C 400 °C
	T.C Type K NiCr / NiAl	Range 7	0.0 °C 999.9 °C
	T.C Type J Fe/Con	Range 8	-199.9 °C 800.0 °C
	T.C Type T Copper / Con	Range 9	- 199.9 °C 400.0 °C
	T.C Type B Pt6% 30% Rh	Range 10	40 °C 1800 °C
	Resistance thermometer (Pt100) to DIN 43760 (1980) and BS 1904 (1984).		
	Pt 100 RTD	Range 16	- 200 °C 800 °C
	Pt 100 RTD	Range 17	- 199.9 °C 800 °C
	Process inputs Max / Min configurable floating decimal point		
	4 - 20 mA Linear		
	0 - 20 mA Linear	0	4000
	0 - 10 Volts Linear	0	4.000
	0 - 5 Volts Linear	0	40.00
	1 - 5 Volts Linear	0	400.0
	2 - 10 Volts Linear		
	For other ranges consult the factory.		
Calibration	Overall calibration at 24 Deg C (including linearity).		
	Thermocouple ranges	1 Deg C	+/- 1 digit
	Stability including cold junction compensation.		
	Better than 20 : 1 (i.e. max 1 Deg C calibration shift for 20 Deg. change in ambient).		
	Resistance thermometer and linear ranges.		
	0.1 Deg C resolution	0.1 Deg C	+/- 1 digit
	1 Deg C resolution	1 Deg C	+/- 1 digit
	Stability Better than	0.04 Deg C / Deg C	
Ambient	0 - 50 Deg C		
Supply	Universal 85 / 264 Volts 50 / 60 Hz.		
Power	5VA Max.		

Ordering Details

Example :-

Model	Input	Range
ECO 96 IND DI 10 :	Pt100 (17)	0 – 800.0
ECO 96 IND DI 12 :	K (1)	200 – 1300