

# A440 SERIES CURRENT LOOP INDICATORS

**Digitron's A440 Series current loop indicators are designed for use with any current loop sensor which gives out a dc current in the range 0-20mA, or 4-20mA. For example the TransInstruments 2000/B Series pressure transducers (4-20mA output).**

## A440 features include:

- Large LED display
- Controller model
- Loop excitation available

## A440 benefits include:

- Easy to use
- Highly accurate performance
- Superb value
- Compact design

Use the A440 Series to power any sensor giving a 4-20mA loop output. The easily adjustable zero and full scale functions make the display of any process variable simple. The compact size and integral loop power supply allow them to be fitted in almost any installation.

## ● Two models are available:

The **model A445** indicator, and the **model A448** indicator with single set point.

Both models incorporate a decimal point position selection and continuous scaling of gain, from full scale  $\geq .250$  to  $\leq 1999$ , using selector switch and gain adjustment control. 0mA or 4mA 'zero' inputs are selectable, with further offset adjustment for sensor calibration.

Both instruments give out a nominal excitation voltage of 24V dc and can also be used as repeaters on loops which are already powered. For loop calibration ask for information on our model CBL3 current loop calibrator unit.

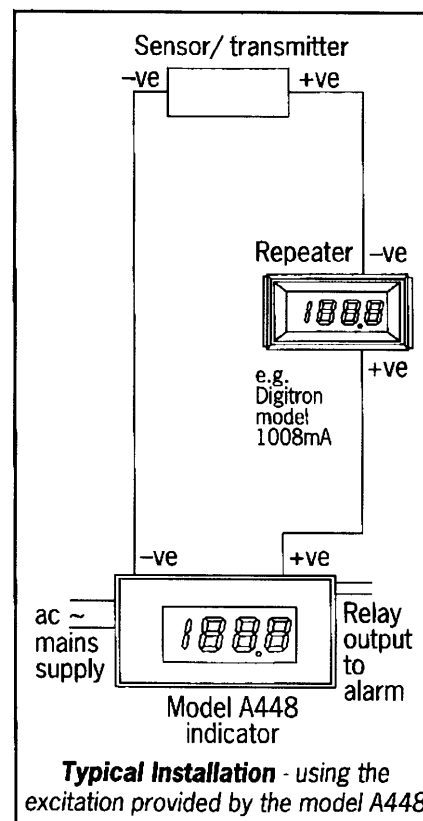
## ● Reliable

They are subjected to detailed inspection and a rigorous testing programme before being calibrated on equipment traceable to National Standards. Both models are also supplied with a 12 month warranty on parts and labour.

## ● Applications

As these instruments are used in conjunction with current loop sensors, their applications are widespread. The A440s are therefore ideal for use in monitoring:

- Amps/Volts/Power
- Displacement
- Flow
- Frequency
- pH
- Pressure
- Speed
- Strain
- Temperature



## A440 SERIES SPECIFICATION

Input	0-20mA full scale or 4-20mA full scale selectable with jumper link
Transducer/Excitation Voltage	24V dc nominal
Display	3 1/2 digit, 13.5mm LED
Range - Full Scale	Adjustable from .250 to 1999
Decimal Point Position	Selectable using jumper link
Indicator Accuracy	<ul style="list-style-type: none"> <li>• Linearity <math>\pm 1</math> digit</li> <li>• Stability typically 100ppm/<math>^{\circ}</math>C</li> </ul>
Power Supply	230/115V ac $\pm 15\%$ (selectable), 50/60 Hz
Zero Offset Control	Adjustable pots and jumper links access from behind front panel
Operational Temperature Range	0-40 $^{\circ}$ C
Dimensions	96 x 48 x 68.1mm (After DIN 43700)
Cut Out	92 x 45mm + 1.0mm - 0.0mm
Changeover Relay (Model A448 only)	Heavy duty Silver Cadmium Oxide 5 amps resistive load @ 240V ac
Setpoint Hysteresis (Model A448 only)	Adjustable pot ( $\pm 1$ count up to $\pm 10$ counts), access through vents on right hand side of case

# DIGITRON

Instrumentation

SIFAM INSTRUMENTS LIMITED  
WOODLAND ROAD TORQUAY  
DEVON TQ2 7AY ENGLAND  
TEL: 01803 407693  
FAX: 01803 407699  
info@sifam.com www.sifam.com

A SIFAM Company



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We are continuously developing and improving our products. As such, we reserve the right to amend specifications without notice and supply products which differ from those described.

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