



LOOP POWERED INDICATORS

PROCESS INDICATOR

MODEL A2110



A2110
STANDARD INDICATOR

DESCRIPTION

The A2110 Process Indicator is a Standard Loop Powered Process Indicator which indicates the loop current on an LCD indicator on a scale of 0 - 100%.

The unit being loop powered needs no external power supply or batteries. The unit draws power from the loop current itself and uses a proprietary technique incorporated into a module to convert the loop current into a signal proportional to the loop current as well as step up the small voltage drop across the loop to a higher value sufficient to operate the indicator.

The process value is indicated on a 12.7 mm high LCD on a scale of 0 to 100 % corresponding to a loop current of 4 - 20 mA. The Zero & Span adjustments on the front panel enable easy field calibration. The low power consumption enables the unit to be used in hazardous locations with suitable protection enclosures.

The Indicator is housed in a compact 72 x 72 mm DIN standard enclosure. This enables multiple indicators to be compactly mounted on the same panel. A choice of other enclosures is also available including flame and explosion proof as per IS :2147 and IS :2148 standards.

SALIENT FEATURES

- LOOP CURRENT OPERATED
- 3 DIGIT LCD INDICATION
- LOW LINE VOLTAGE DROP
- DISPLAY IN PROPORTION TO INPUT
- REVERSE CURRENT PROTECTED
- ZERO & SPAN ON FACIA
- SMALL SIZE
- COMPACT MOUNTING
- VARIOUS PROTECTION ENCLOSURES
- INTRINSICALLY SAFE

APPLICATIONS

The A2110 loop powered standard Process Indicator finds applications as a process value indicator in various industrial control and measurement applications.

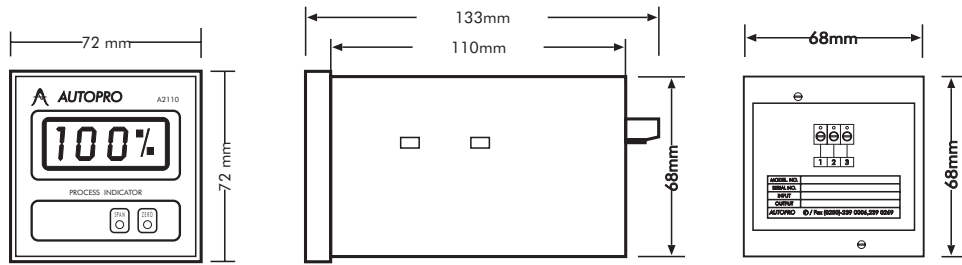
This loop powered unit can be inserted at any point in the signal loop as a stand alone or remote indicator at the point of measurement or at the control end, and especially where there is no power source.

The low voltage drop ensures that this unit can be used even when the available line drop is small. The unit, being a non energy (voltage) producing device, can also be used in hazardous locations with suitable enclosures, since it is intrinsically safe.

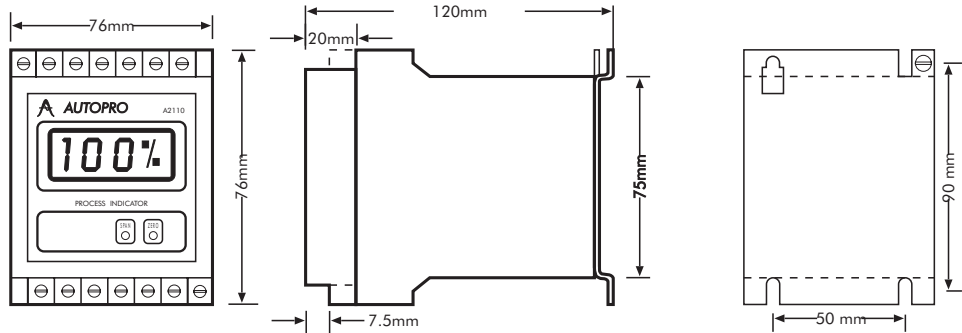
This unit can also be used as an indicator in applications which could not be implemented till now, due to lack of a suitable power source at the point of indication e.g. remote indication locations on tank tops as used in liquid level sensing and control, pH and conductivity monitoring at the discharge end of the effluent treatment plants, control valve position indication at the point of actuation etc.

DIMENSIONAL DETAILS :

Enclosure T72
Panel mounting
Cutout : 68 X 68 mm



Enclosure WM1
Wall mounting
Size : 50H X 90V mm



SPECIFICATIONS :

Signal input range *

4 - 20 mA standard

Operating range

3.2 - 28 mA

Input impedance

Less than 120

Line voltage drop

Less than 2.2 Volts

Output indication

0 - 100 %

Indication

3 digit 12.7 mm (0.5") LCD

Accuracy

±0.2% of span

Ambient temp.

10° - 50°C operating range

Zero adjustment

±10 % by ten turn trimmer

Span adjustment

±10 % by ten turn trimmer

Terminals

Compression type accepts 1.5mm²

Enclosures *

T 72 : 72 (H) x 72 (W) x 110 (D) mm

* for other options check ordering information or consult factory.

ORDERING INFORMATION

MODEL A 2110 / II - EEE

II : Input

0 : 4 - 20 mA

1 : 10 - 50 mA

9 : User specified

EEE : Enclosure

T 72 : 72 x 72 x 110 mm

WM1 : 76 x 100 x 120 mm

FP 1 : 160 x 160 x 110 mm

Our other products :

- ★ Two Wire Transmitters
- ★ Four Wire Transmitters
- ★ PID Process Controllers

AUTOPRO

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Due to our policy of continuous improvement all specifications are subject to change without notice.

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