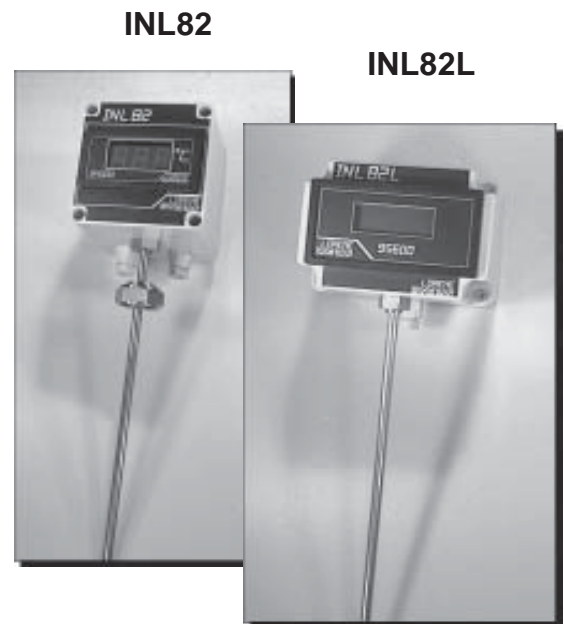


INL82

- **INL82:** Local indication
- **INL82/S:** 4/20mA output (loop powered)
- **INL82/1:** Pt 100 output (2 wires, 3 wires, 4 wires)
- **INL82L:** Self-powered (loop powered 4/20mA)
- **Head or wall mounting**



The INL82 digital thermometer allows the local display of a temperature and also its retranscription in a 4/20mA (loop powered) or Pt100 probe form.

DESCRIPTION, FUNCTIONALITY:

- Rectangular and waterproof box in plastic IP54 assembled on temperature probe.
- Wall pinch lead with 2 cable glands under the box.
- Display: red leds 7 segments 14.2mm (3 digits), 1000 points,
 - Available in 2 scales:
 - 9.9 °C to +99.9 °C (resolution 0.1 °C),
 - 99 °C to +600 °C (resolution 1 °C).
- Sensor breaking display and detection (display EEE ou - - -).
- Connection with screw-terminals (nominal section: 2.5 mm²).
- Opening / closing of the box by 4 screws that cannot be lost.
- Indicator power supply: 7 to 28 Vdc, protected for reverse polarity.

The INL82/1 has a Pt100 output (3-wires or 4-wires assembly to be precised).

The INL82/S has also a 4 / 20 mA transmitter, loop powered:

- Linearized 4-20 mA output (input measure range to be specified).
- Power supply: 9 to 50 Vdc, protected for reverse polarity.
- Adjustments with potentiometer,
- Green led for voltage presence and red led for failure (internal) (sensor breaking and excess by more than 15 % of the scale).
- High safety in the event of sensor breaking (low safety on request).
- Serial linearization.

The INL82L is a self-powered version (loop powered, 4-20 mA) with an LCD indicator of type 95600/CAL:

- Display: LCD 7 segments 12.5mm (4 digits), 2000 points.

TECHNICAL SPECIFICATIONS

Accuracy at 90 days (20 °C +/- 2 °C)

INDICATOR

Pt100 input 3 wires
Accuracy +/- 0.25 %, +/- 1 digit
Update rate: 4 measures / sec.
Protected for reverse polarity.

T° SENSOR

RTD probes: Pt100 class B to 1/10 DIN
Sliding pipe connection:
- 1/2" cylindric gas
- 1/2" NPT (others on request)
Tube diameter: 6 mm (others on request)
Tube length under box to be specified.

INL82L:

Numerical indicator of type **95600 CAL** (96 x 48 format)
- LCD 12.5mm 4 digits (2000 pts)
- Self-powered (loop powered)

INL82:

Numerical indicator of type **94000** (72 x 36 format)
- LED 14.2mm 3 digits (1000 pts)
- Power supply 7 to 28 Vdc, 70 mA

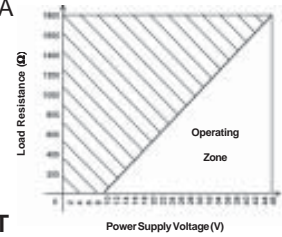
INL82/1 (3- or 4-wires Pt 100 output):

The same, but with double probe for deported measure.

INL82/S (4/20mA output):

Output 4 / 20 mA (loop powered)
Power supply 9 to 50 Vdc
Max. load 750 Ohms at 24 Vcc
 $= (V_{pwr.supply} - 9) / 0.02$
Response time < 30 ms
Accuracy +/- 0.25 %
Sensor breaking ~ 24 mA

Power supply influence: 0.003 % / V
Load influence: 0.005 % / 100 Ohms



ENVIRONMENT

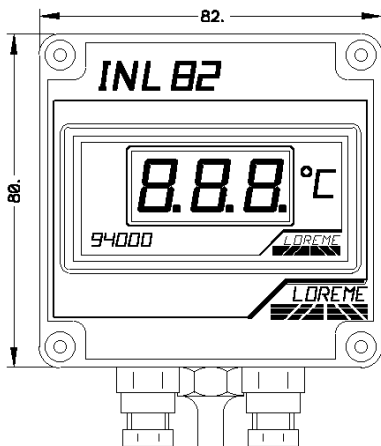
Temperature
Operating 0 to +60 °C
Storage -20 to +85 °C
Influence < 0.01 % / °C
Protection index IP54

Electromagnetic compatibility

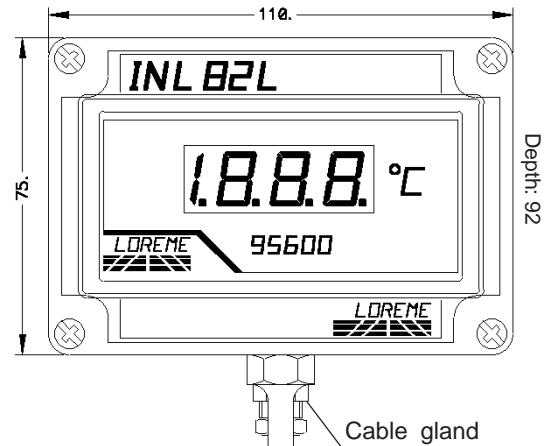
Generic standards : NFEN50081-2 / NFEN50082-2

EN61000-4-2	<+/- 5%	B	CE
EN61000-4-4	no influence	B	
ENV50140	<+/- 5%	A	
ENV50141	<+/- 1%	A	
ENV50204	<+/- 1%	A	
EN55011	meet	group 1 class A	

WIRING AND DIMENSIONS :



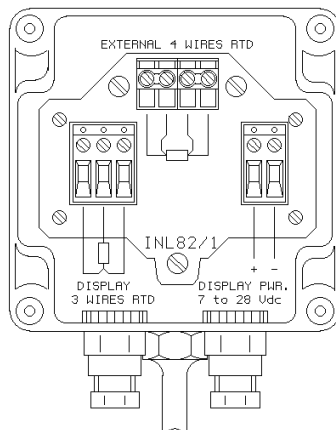
Depth: 92



Depth: 92

Rear view without cap

INL82/1 version



INL82/S version

