

# Digital Display Standard **AN61** With threshold **AN62**

The **AN61** and **AN62** are microprocessor-controlled display units which have universal applications for standardised 4 to 20 mA signals. These display units are mounted between the power supply and the transmitter itself. They require no additional voltage as they take their power directly from the current loop of the measurement instrument.

The **AN6** is configured for connection to any type of measurement transmitter fitted as standard with a DIN 43650 connector.

- *Local display for 4-20 mA transmitters: pressure, temperature, etc.*
- *Powered from the current loop*
- *Measurement range adjusted without any external auxiliary device*
- *Settings can be programmed by internal buttons*
- *Display unit can be rotated through 90°*



## Specifications (20°C)

### Measurement display :

- 1999 to 9999 displayed on 4 red LEDs (height : 7.62 mm)  
Decimal point programmable from front panel

### Display of error codes :

Upper limit of measurement range exceeded: "HI" display  
Lower limit of measurement range exceeded: "LO" display

### Power supply :

Powered from current loop

### Input signal :

4-20 mA (2-wire)  
Maximum permitted input current: 60 mA  
Protection against polarity inversion

### Voltage drop :

≤ 5 volts

### Electromagnetic compatibility :

Complies with EN50081-1 and EN50082-2

### IP rating : IP65

### Operating temperature :

0°C to + 60°C

### Storage temperature :

- 30°C to + 80°C

### Accuracy :

± 0.2% of full range ± 1 digit

### Temperature drift : 0.1% / °C

### Sampling frequency :

3 measurements / second

### Programme settings :

See next page.  
Settings stored in EEPROM

### Case :

Nylon® (Polyamide 6 GK30)  
Front window: Plexiglass (PMMA)

### Fail-safe version :

Contact us for details

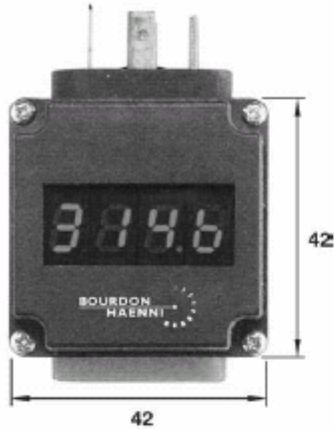
## Connections



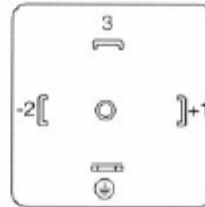
T R A N S M I T T E R	PRESSURE	Catalog no.
	EN113 E913, E923, E933 E513 EF53	CAT. 304100
	TEMPERATURE	Datasheet
E71TR E76TR	304008	



## Dimensions (mm), pin arrangement



Depth :  
48 mm



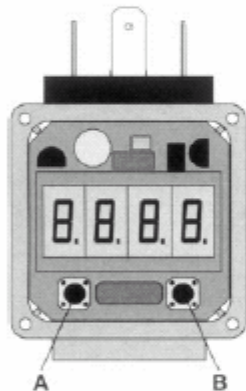
**Pin arrangement :**

- PIN 1 : + Loop
- PIN 2 : 0V
- PIN 3 : Threshold output

For the version with threshold, (AN62), the switching output is between pins 2 and 3.

Weight : 79 g

## Display Configuration/Programming



Buttons A and B, accessible by removing the front panel, are used for configuration.

Configuration settings :

- Range adjustment
- Selection of the decimal point position
- Selection of the display value limits required for the measurement range.  
Exceeding the upper limit = HI, and lower limit = LO
- Setting the threshold value (option)

## Codification

A	N	6	
---	---	---	--

**Family :**

Accessory

Electronic

A

**Type :**

Standard digital display \_\_\_\_\_ **N61**

Digital display with threshold \_\_\_\_\_ **N62**