

Digital indicators for RTD sensor **AT42**

The **AT42** is a digital thermometer dedicated to RTD input sensor and provides 2 independent alarms switches. An analog output is available. Keys located behind the front panel filter allow quick and easy adjustment of the display scale and the alarm switches values, both in engineering units.

The **AT42** is a panel digital indicator which electrical connections are done through a screw plug-in terminal.



- 10.000 counts LED display
- RTD platinum sensor input
- Accuracy 1°C or 0.1°C
- Average value
- 2 set points
- Analog output (4-20mA or 0-10V)
- Range -200°C to 450°C

Specifications (20°C), options

Display:

-1999 to +9999 points, red LED
Overrange: display dEP
Decimal point programmed on front panel

Alimentation:

230V / 50 Hz. Consumption: 6W

Input:

RTD sensor: 100Ω at 0°C - 3 wires

Accuracy:

± 0.1% FS ± 1 count

Operating temperature:

0°C to 50°C

Storage temperature:

-40°C to 85°C

Tightness:

IP20 according to NF EN 60529

Reading rate:

7 readings / s

Alarms:

2 programmable independent thresholds
1 contact changeover relay, 1A, 220V cos Ø 0.7
Fully adjustable switches on the display range
Relays on when the signal above set point (can be reversed)

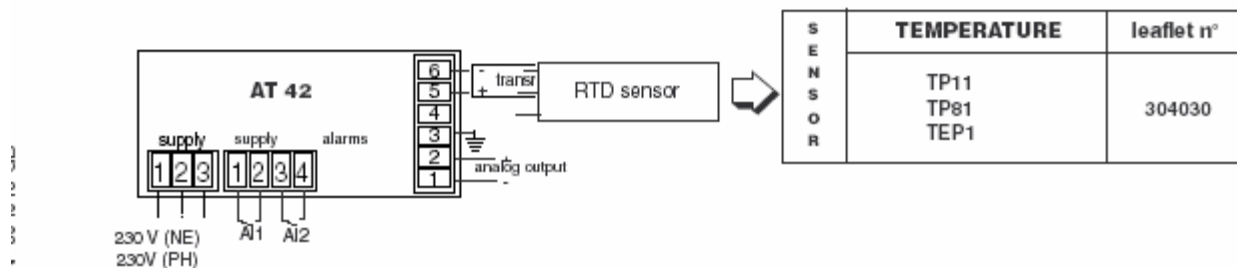
Analog output (non isolated):

0-10V (standard) or 4-20mA (option), low-scale and high-scale values are adjustable on the full range.
Max current limited output to 50mA/750Ω
Max current (voltage output) limited to 10mA/75Ω.

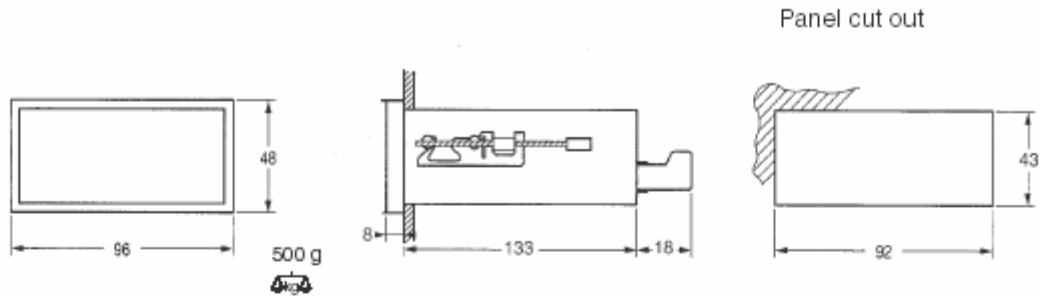
Options:

- 110V/ 50Hz, 48 V/ 50 Hz, 24 V/ 50 Hz, 24 Vdc power supply
- Front panel IP55
- Front keypads
- Analog output 4-20 mA
- Calibration with certificate Q 1060

Wiring



Dimensions (mm)



Codification

	A	T	4	2		0		2			*	
Family:	Electronic accessories								Transmitter with indicator calibrated together:			
	A									0	without	
Type	_____		T42								1	physical unit display (to specify °C, °F...)
Power supply:											2	end points calibration (zero and span)
220 Vac (standard)	_____				A						3	Q1060 calibration certificate 21 points
110 Vac	_____				D							
24 Vac	_____				E							
24 Vdc	_____				F							
48 Vac	_____				J							
Output signal:												
(copy)												
0-10 V	_____								02			
4-20 mA	_____								03			
Thresholds:												
2 thresholds	_____										2	

*** Uncoded options have to be listed after the code number**