

## ATA Series – Miniature

PT100 , -200°C...600°C (except connector 180°C)

Ref : 2576

Rev: A



### DESCRIPTION

This sensitive element, ideal for air measurement, is made from a platinum probe wound in a ceramic tube sealed at the ends. Reinforced connections for tensile resistance. Two separate windings maximum can be mounted in the same body, the connection wires are then distinguished by length. This type of element can be mounted under perforated stainless-steel tube. An integrated Lemo connector with crimped (aero) pin mating plug allows easy connection. Small diameter to insert in pipes (sealed passage optional).

MESUREX is a sensor manufacturer. We can adapt most sensors to your needs. Please [contact us](#).

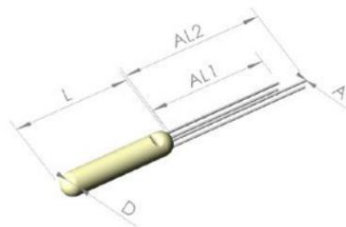
### TECHNICAL CHARACTERISTICS

Nominal value	100Ω at 0°C (single or double, measure point at 8mm of body, at the ends of the connections)
Temperature coefficient	A = 3850 ppm/K
Tolerance class	CEI 751, 1/3 DIN (other on request)
Temperature range of the sensitive element	-200°C to +600°C
Connection wire	Alloy palladium / gold
Operating conditions	The element must be protected in humid environment
Resistance and stability	No hysteresis Mounting under perforated or non-perforated tube Resistant to mechanical forces and pressures Insulation >100Ω at 20°C; 1MΩ at 500°C
Options	Tight ohm tolerance Connection length on request

### DIMENSIONS

Résistance nominale (Ω à 0°C)	L (mm)	D (mm)	AL1 (mm)	AL2 (mm)	A (mm)	Auto échauffement (K/mW)	Temps de réponse			
							Eau		Air	
							V = 0.4 m/s		V = 1 m/s	
100	15	0.9	10	-	0.2	0.14	t0.5	t0.9	t0.5	t0.9
							0.2	0.3	3	9

Sensitive element inside the perforated tube:



### CONTACT

#### MESUREX

13 Rue des Corroyés  
78730 Saint Arnoult en Yvelines (France)

Tel : +33 (0) 1 30 41 23 62

Mail : [mesurex@mesurex.fr](mailto:mesurex@mesurex.fr)

Web : [www.mesurex.fr](http://www.mesurex.fr)