

## AJA Series – Miniature

PT100, -70°C...500°C (except connector 180°C)

Ref : 2577

Rev: A



### DESCRIPTION

This sensitive element, ideal for air measurement, is made by spraying a thin layer of platinum onto a ceramic substrate. The resistant circuit, created by photo lithography, is then covered with a protective glass film. The tensile resistance of the connections is guaranteed by a drop of glass on the welds. 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.

It is very well suited for applications where the temperature measurement must be precise, with temperatures ranging from -70°C to +500°C. Its advantages are a compact size, an excellent electric insulation, and a quick response time.

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

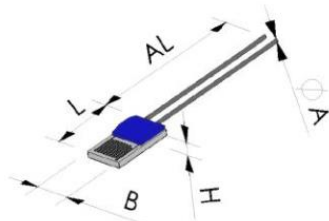
### TECHNICAL CHARACTERISTICS

Nominal value	100Ω at 0°C
Temperature coefficient	$\alpha = 3850 \text{ ppm/K}$
Tolerance class	CEI 751, 1/5 DIN (other on request)
Temperature range of the sensitive element	-70°C to +500°C (depending on the tolerance classes)
Connection wire	Platinum coated nickel
Operating conditions	No protection in dry environment only
Resistance and stability	Very stable over time Resistance to vibrations Sensitive to torsions and vibrations
Options	Tight ohm tolerance Axial and vertical connections Other ohm values (200Ω / 2000Ω / 10 000Ω)

### DIMENSIONS

Résistance nominale (Ω à 0°C)	L (mm)	B (mm)	H (mm)	AL (mm)	A (mm)	Auto échauffement (K/mW)	Temps de réponse			
							Eau V = 0.4 m/s		Air V = 1 m/s	
							t0.5	t0.9	t0.5	t0.9
100	9,5	1.9	0,9	10	0.2	0.2	0.1	0.3	4	12

Sensitive element inside the perforated tube:



### CONTACT

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