

NTC Weber Air Temperature Sensor



The ATS04 / 05 / 07 are analogue sensors with a temperature dependant resistor providing a variable resistance across the 2 contacts. Signal is negative temperature coefficient (NTC).

Technical drawings of the ATS 04 and ATS 07 actuators. The drawings show the front and side views of the actuators, with dimensions in millimeters (mm) and inches (AF).

ATS 04 Dimensions:

- Front View: 19.0 AF
- Side View: 23.0, 27.0, 13.0, 7.5, 17.5, Ø9.0 mm, M14x1.5 mm

ATS 07 Dimensions:

- Front View: 10.0, 18.0

ATS 05 Dimensions:

- Front View: 17.5, 3.0, 20.0, Ø3.5
- Side View: 2.0

All unspecified dimensions are common to ATS 04 and 07.

Temperature	Resistance
°C	kΩ
-40	100.95
-30	53.1
-20	29.12
-10	16.6
0	9.75
10	5.97
20	3.75
25	3
30	2.42
40	1.6
50	1.08
60	0.75
70	0.53
80	0.38
90	0.28
100	0.2
110	0.15
125	0.1

Resistance @ 25 °C.....	3 kΩ
Accuracy from nominal values	5% (W/°C)
.....@ -40 > +125 °C	
Maximum operating voltage	5 V (series)
Thread	M14 x 1.5
Seal	19mm Hex
Weight	26 g
Connector	Mini – Timer 2 way
Max tightening torque 07 / 04.....	24 Nm

Part No.	Connector	Description	Order Code
ATS04	2 way minitimer	Air temperature sensor – long	21510020900
ATS07	2 way minitimer	Air temperature sensor – short	215810400101
ATS05	2 way Packard	Air temperature sensor – loop type	219244250500
CS12	2 way Packard	Connector kit for ATS05	

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