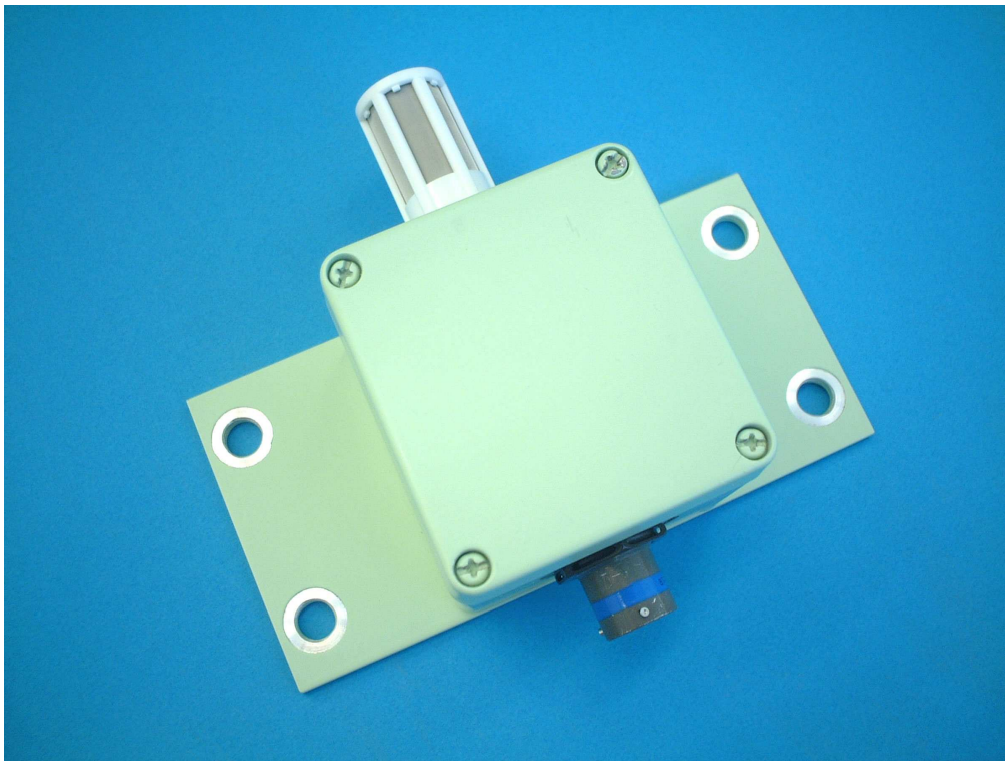


SIRIUS-ACTMD

(AMMUNITION COMPARTMENT TEMPERATURE MEASURING DEVICE)



GENERAL

The Ammunition Compartment Temperature Measuring Device (ACTMD) is a sub-assembly compatible with the SIRIUS-MIL and MIL/L weather station.

The main purpose of the ACTMD is to deliver an analog signal proportional to the temperature of the ammunition storage compartment.

DESCRIPTION

The ACTMD is located in the ammunition storage compartment and deliver the temperature of the powder ammunition.

The ACTMD is a rectangular sealed box containing:

- a) Inside the sealed box: an electronic print for the treatment of the signal given by the temperature transducer.
- b) On the lower side: the MIL connector for the cable coming from the SIRIUS-MIL or MIL/L weather station.
- c) On the upper side: the protected temperature transducer.
- d) One fixation surface, to fix and ground the rectangular box.

Dimensions

Width	150 mm
Length	160 mm
High	60 mm
Weight	0.5 kg

TECHNICAL SPECIFICATIONS

Operating Range	-40°C to 70°C
Accuracy	+/- 1°C
Resolution	0.1°C

Characteristic table

Temperature °C	Output Voltage
-40.00	0.500
-30.00	1.119
-20.00	1.736
-10.00	2.350
0.00	2.960
10.00	3.568
20.00	4.174
30.00	4.776
40.00	5.376
50.00	5.973
60.00	6.568
70.00	7.160

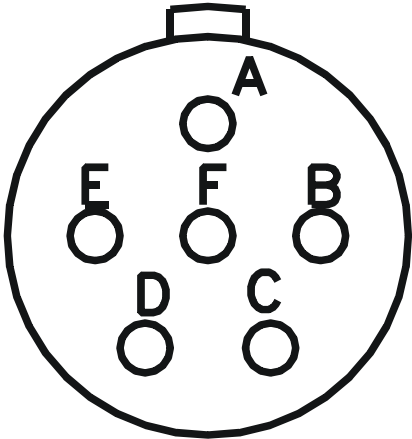
Power	+/- 15V supplied from Sirius sensor
Current consumption	+/- 20 mA
Storage temperature	-55°C to 80°C

Connector Pin Assignments HA:

Pin assignments of the 6 pins Souriau connector Series MS27468T11B98P

Pin N°	Function
A	+15V
B	-
C	Analog Input -
D	-15V
E	Analog Input +
F	-

Table 1: Connector Pin Assignments



Mating Connector:

For this pinning use the Souriau mating connector type: **MS27467T11B98S**