

AMPHENOL OIL TEMP SENSOR
Technical Diagram
Part Number: H-OT-AMP
Drawing Revision 1 - 16/10/20



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NOTES:

Brand : AMPHENOL
Thread : M10 x 1.5
Temperature Range : -40 to 200 C
Housing Material : Brass
Wiring : 130mm loom with DTM connector

Mating Connector : D-DTM06-2S-W
or
D-DTM06-2S-E007-W

Resistance Vs Temperature & Voltage Data Table

| Temp C | Ohms | V Volts | Temp C | R Ohms | V Volts |
|--------|---------|---------|--------|--------|---------|
| -40 | 333,562 | 4.985 | 90 | 915 | 2.390 |
| -30 | 176,081 | 4.972 | 100 | 678 | 2.020 |
| -20 | 96,807 | 4.949 | 110 | 509 | 1.688 |
| -10 | 55,252 | 4.911 | 120 | 388 | 1.398 |
| 0 | 32,639 | 4.851 | 130 | 299 | 1.152 |
| 10 | 19,901 | 4.761 | 140 | 233 | 0.947 |
| 20 | 12,493 | 4.629 | 150 | 184 | 0.778 |
| 30 | 8,055 | 4.448 | 160 | 147 | 0.640 |
| 40 | 5,324 | 4.209 | 170 | 118 | 0.529 |
| 50 | 3,600 | 3.913 | 180 | 96 | 0.438 |
| 60 | 2,486 | 3.566 | 190 | 79 | 0.365 |
| 70 | 1,751 | 3.183 | 200 | 65 | 0.305 |
| 80 | 1,255 | 2.783 | | | |

with 1k pull up resistor
for MoTec M1 input

with 1k pull up resistor
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