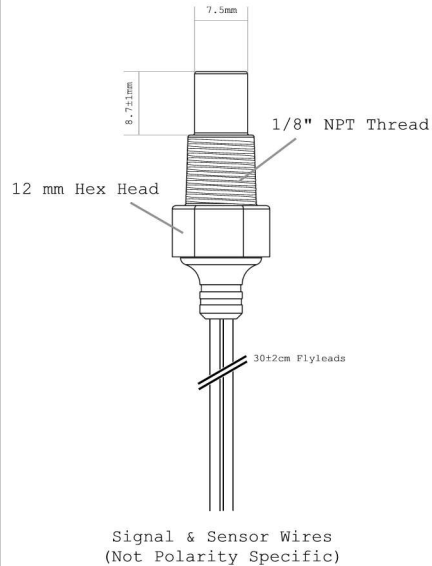


Data Sheet: MST5 Series Fluid Temperature Sensor

Part Number: MST5-FL-CLT-SS-E15

Type: Closed Element Thermistor
 Element Encapsulation: Epoxy
 Housing: Stainless Steel 304L
 Temp. Range: -30°C to 150°C
 -22°F to 302°F
 Hex Size: 12 mm
 Thread Size: 1/8" NPT
 Leads: Tefzel M22759/32-22

Side View:



Calibration Table:

| Temperature (°C/°F) | Resistance (Ω) | Voltage (V) 1kΩ Full-Up @ 5VDC |
|------------------------|-------------------|-----------------------------------|
| -30 / -22 | 50601 | 4.903 |
| -25 / -13 | 36877 | 4.868 |
| -20 / -4 | 27192 | 4.823 |
| -15 / 5 | 20274 | 4.765 |
| -10 / 14 | 15275 | 4.693 |
| -5 / 23 | 11622 | 4.604 |
| 0 / 32 | 8926 | 4.496 |
| 5 / 41 | 6916 | 4.368 |
| 10 / 50 | 5404 | 4.219 |
| 15 / 59 | 4256 | 4.049 |
| 20 / 68 | 3378 | 3.858 |
| 25 / 77 | 2700 | 3.649 |
| 30 / 86 | 2172 | 3.424 |
| 35 / 95 | 1760 | 3.188 |
| 40 / 104 | 1434 | 2.946 |
| 45 / 113 | 1176 | 2.702 |
| 50 / 122 | 970 | 2.462 |
| 55 / 131 | 804 | 2.228 |
| 60 / 140 | 670 | 2.006 |
| 65 / 149 | 561 | 1.757 |
| 70 / 158 | 472 | 1.603 |
| 75 / 167 | 399 | 1.426 |
| 80 / 176 | 338 | 1.263 |
| 85 / 185 | 288 | 1.118 |
| 90 / 194 | 247 | 0.990 |
| 95 / 203 | 212 | 0.875 |
| 100 / 212 | 183 | 0.773 |
| 105 / 221 | 158 | 0.682 |
| 110 / 230 | 137 | 0.602 |
| 115 / 239 | 120 | 0.536 |
| 120 / 248 | 105 | 0.475 |
| 125 / 257 | 92 | 0.421 |
| 130 / 266 | 80 | 0.370 |
| 135 / 275 | 71 | 0.318 |
| 140 / 284 | 63 | 0.283 |
| 145 / 293 | 56 | 0.252 |
| 150 / 302 | 49 | 0.234 |

Note: Metal hex head section must be used to tighten the sensors only. Rotational force on the plastic flylead body can potentially cause damage to the sensor assembly. Excessive force on flyleads will damage internal connector to element. Syltech takes no responsibility for any damage incurred by incorrect installation or use of this sensor. If unsure, please consult a qualified Auto Electrician for correct fitment and wiring. Off-road use only.