

The Thermocouple Conditioner, ITT, houses circuitry for conditioning and amplifying two low voltage output signals of engine thermocouples with high gain. Inside the ITT, there is also a semiconductor thermometer sensing the temperature of thermocouples cold junction.

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Thermocouple Conditioner

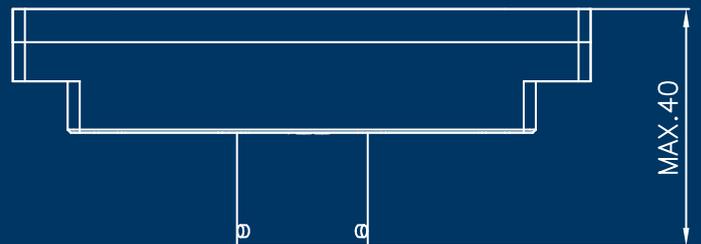
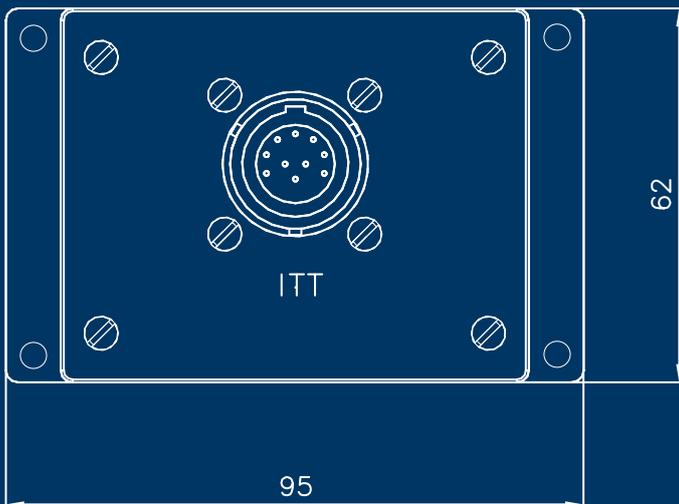
The ITT unit is part of SPEEL's CVFDR system.

Technical Specifications

| | |
|-----------------------------|--|
| Dimensions (w/h/l) | 92x62x40 [mm] |
| Weight | < 0.15 kg |
| Power Supply | 5 VDC |
| Power Consumption | < 15 mW |
| Measured Temperature Range | -40°C to +1000°C thermocouples "K" -40°C to +60°C cold junction |
| Gain | 101 |
| Environmental Compliance | DO-160D |
| Operating Temperature Range | -50°C to +50°C |
| MTBF | >10000 FH |

[HEAD-UP DISPLAY]

[CVFDR]



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