

CALIBRATION MODULE

For SensorTran DTS systems



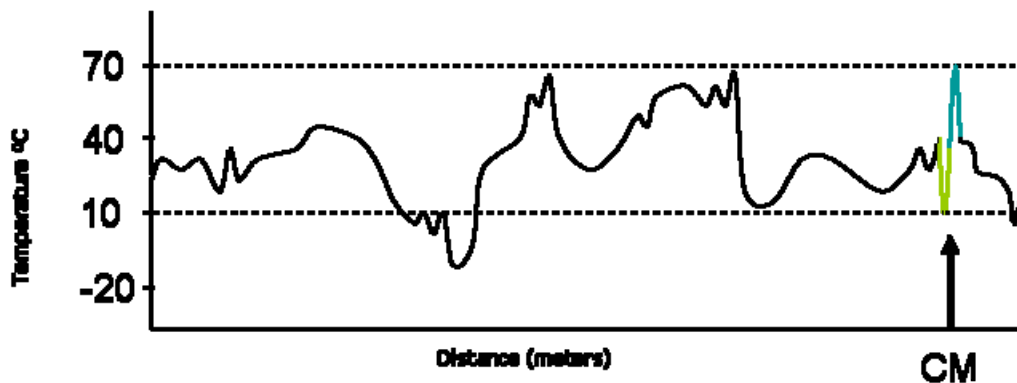
Optional Calibration Accessory

SensorTran offers a proprietary Calibration Module that is revolutionizing the deployment and use of DTS systems.

The Calibration Module creates accurate high and low temperature reference points which are recognized by the DTS unit. These known temperature reference points are used to greatly simplify the calibration process. The Calibration Module is also ideal to simulate a hot spot along a fiber probe. This allows for periodic verification of the temperature measurement accuracy of the system.



The Calibration Module contains heating and cooling elements controlled by thermocouples to the set temperature points. Fiber is wound around both elements such that the Calibration Module is in-line with a fiber probe optical circuit. The temperature high and low set-points are programmable (factory-set to 10°C and 70°C respectively). An integrated LCD display indicates that the module is operating correctly and is achieving the required set-point temperatures. The Calibration Module can be supplied with mating fiber connectors or for splicing directly onto the fiber probe. An internal switch allows for the operator to switch the module on when required.





Calibration Module Specifications

Unit Dimensions	16" H x 18" W x 8" D approx
Unit Weight	50 lbs approx
Power	110 or 220 VAC
Maximum Current	3A
Operating Temperature	0°C - 50° C
Storage Temperature	-20°C to 60°C
Environmental Rating	NEMA4
Set Temperature Range for Both Cells	5°C to 80°C
Standard "Cold" Factory Set Temperature	10°C
Standard "Hot" Factory Set Temperature	70°C
Accuracy	± 0.5°C



SENSORTRAN

Optical Conclusions

Contact

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