

Firmware Requirements

The following table lists the minimum version of firmware required to operate the Thermal SmartSensor adapter with different meters. Contact Coherent if you have questions about firmware versions.

METER	FIRMWARE
3sigma	1.10 system
EPM2000	4.35 system 4.02 analog
FieldMate	1.02 system
FieldMate (RoHS)	All versions
FieldMax-TO	1.05 UI
FieldMax-TOP	1.05 UI
FieldMaxII-TO	2.01 UI
FieldMaxII-TO (RoHS)	All versions
FieldMaxII-TOP	2.01 UI
FieldMaxII-TOP (RoHS)	All versions

CE Standards

D121453

Revision AA

Declaration of Conformity

We
Coherent, Inc. (Formerly Moletron Detector, Inc.)
7470 SW Bridgeport Road
Portland, Oregon, USA 97224

declare under sole responsibility that the

Smart Sensor Adapter

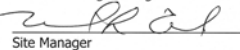
meets the intent of Directive 89/336/EEC for Electromagnetic Compatibility. Compliance was demonstrated per testing to EN61326 Electromagnetic Compatibility Product Family Standard for Measurement, Control and Laboratory Equipment to include the following test specifications as of June 2005:

EN55011 Class A Radiated Emissions
EN55011 Class A Conducted Emissions
EN61000-3-2 Powerline Harmonics – Performance Criteria A
EN61000-3-3 Powerline Voltage Fluctuation and Flicker – Performance Criteria A
EN61000-4-2 Electrostatic Discharge – Performance Criteria B
Unit may respond to an ESD event but will return to normal without user intervention.

EN61000-4-3 Radiated Immunity – Performance Criteria A
EN61000-4-4 Electrical Fast Transient Immunity - Performance Criteria A
EN61000-4-5 Electrical Slow Transient Immunity- Performance Criteria A
EN61000-4-6 Conducted RF Immunity - Performance Criteria A
EN61000-4-11 Power Line Dropout - Performance Criteria A


Director of Engineering

Date: 6-9-05


Site Manager

Date: 6/9/05

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Quick Reference Guide Thermal SmartSensor™ Adapter



The Thermal SmartSensor adapter (item number 1056827) is a compact, in-line device that provides compatibility between Coherent thermal and optical LM-model SmartSensor sensors, and the meters listed under “Meter Compatibility” in this document.

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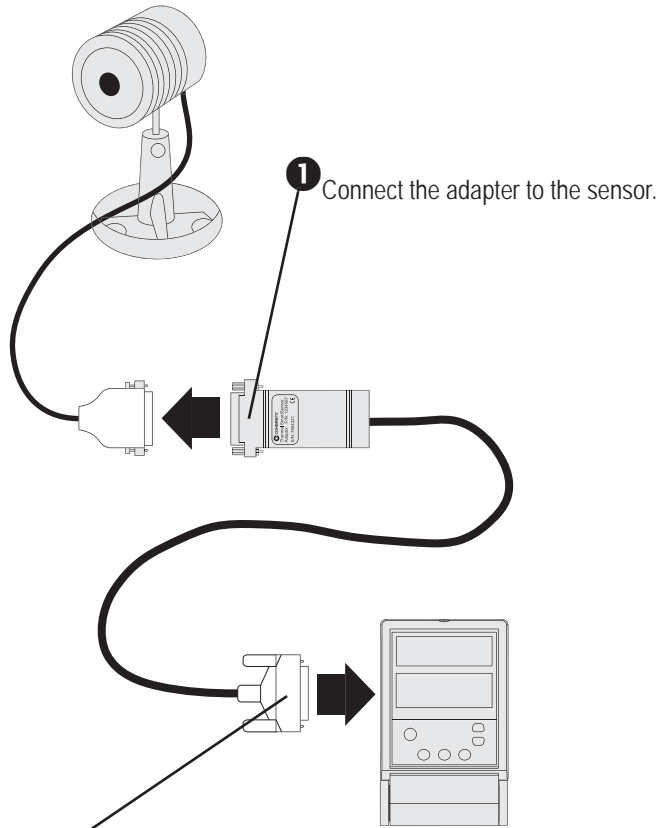
Thermal SmartSensor™ Adapter Quick Reference Guide

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Part No. 1068799, Rev. AC

Connecting the Adapter

The following illustration shows how to connect the Thermal SmartSensor adapter to a sensor and a meter.



1 Connect the adapter to the sensor.

2 Connect the DB-25 connector on the end of the adapter cable to the meter.

3 Apply power to the meter; wait two seconds.

4 Take the measurement and observe the result on the meter readout.

Sensor Compatibility

Thermal SmartSensor adapter is compatible with the following Coherent sensors:

SENSOR	ITEM NUMBER	ROHS ITEM NUMBER
Beam Finder	33-1215-000	1098427
LM-2 IR	33-0944-000	1098342
LM-2 UV	33-0951-000	1098390
LM-2 VIS	33-0936-000	1098298
LM-3 HTD	33-7931-000	1098328
LM-10 HTD	33-7923-000	1098304
LM-20 HTD	33-7907-000	1098456
LM-30V	33-0993-000	1098404
LM-45 HTD	33-7915-000	1098320
LM-80V	33-1017-000	1098464
LM-100B HTD	33-0472-000	1098445
LM-100E	33-1033-000	1098463
LM-100EB	33-4508-000	-----
LM-100 HTD	33-7899-000	1098346
LM-100XL HTD	33-7881-000	1098465
LM-150 FS HTD	33-7873-000	1098394
LM-200 HTD (110V)	33-7857-000	1098440
LM-200 HTD (220V)	33-7840-000	1098450
LM-200XLE	33-1108-000	-----
LM-200XL HTD	33-7832-000	1098546
LM-1000	33-1116-000	1098409
LM-2500	33-1124-000	1098437
LM-5000	33-1132-000	1098421

Meter Compatibility

Thermal SmartSensor adapter allows operation of specific thermal and optical sensors (listed on the previous page) with the following Coherent meters:

METER	ITEM NUMBER	ROHS ITEM NUMBER
3sigma	0012-0840	-----
EPM2000 ^a	0011-5140	-----
FieldMate	1067353	1098297
FieldMax-TO	1058846	-----
FieldMax-TOP	0012-3790	-----
FieldMaxII-TO	1070873	1098579
FieldMaxII-TOP	1072788	1098580

a. The EPM2000 meter is not equipped to function with LM-2 IR, VIS, or UV sensors.

Measurement Information

- Positional information is not displayed with the above-named meters.
- Long-pulse joule measurements with LM-model thermopile sensors is not recommended with this adapter.
- Accuracy is $\pm 2\%$. In addition to adapter accuracy, system accuracy depends on the stated accuracy of the specific meter and sensor being used.