



Source Direct Profiling™

INDATA™ is a Traveling Industrial Real-Time Temperature Recording System

INDATA™ TEMPERATURE PROFILING SYSTEMS ARE DESIGNED TO MEET THE TOUGH DEMANDS OF...

- Static and Conveyorized Ovens, Furnaces, and Kilns
- Heat Treating
- Powder Coating
- Vacuum Casting
- Investment Casting
- Ferrous Founding
- Non-Ferrous Founding
- Alloy Extruding
- Ceramic Manufacturing
- Brick and Tile Manufacturing
- Glass Tempering
- Glass Bending
- Coating and Ink Curing
- Textile Manufacturing
- Spring Annealing

...And More!

THE CRITICAL DATA YOU NEED... IN REAL-TIME, SOURCE DIRECT!

INDATA™ Industrial Temperature Profiling Systems measure true product temperatures in Real-Time for improved Quality and Increased Profitability

INDATA™ allows Metallurgists, Process Engineers, Operators and Managers to make informed decisions for continuous improvement

Never again feed and retrieve long thermocouples from your process!

Interchange K and S-Type Thermocouples with the INDATA™ unique internal connection bridge

Match an INDATA™ thermal barrier to the time, temperature and space requirements of your process

Trigger Operator Actions with Real-Time Alarm Points

Reduce Scrap, Increase Productivity, Save Energy Costs and Increase Profits

Develop new products on schedule with confidence

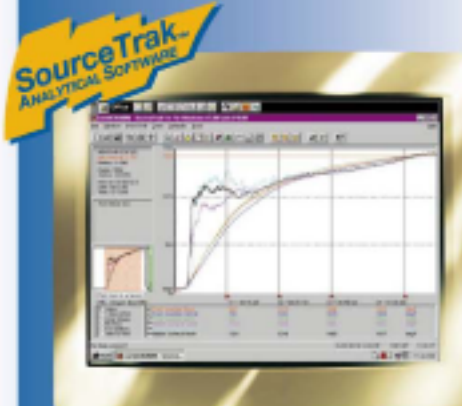
Analyze performance easily with SourceTrak™ software

Develop more credibility with your customers while satisfying ISO-9000 documentation requirements

Internationally specified, INDATA™ Profiling Systems are CE Marked to meet European Directives



Now YOU can have the Source Direct Profiling™ advantage via the FCC Approved selectable radio frequency RF data transfer system.



Profiling activity is controlled and results/reports are easily obtained with integral SourceTrak™ software for Windows™

Make an investment in process quality. Let us prove it to you! Call us for an INDATA™ Demo Today!



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Made In The U.S.A.



Source Direct Profiling

Product Specifications

Application

INDATA™ is a traveling real-time temperature recording system designed for the demands of Industrial Manufacturing Markets. It is rugged, survivable, RF-capable and easy to use.

INDATA™ Profiler

Input Types: Micro Style, Type-K, Type-S Thermocouples, and other sensors
Number of Inputs: Up to 6
Physical Dimensions: 0.37" x 3.5" x 6" (9.41mm x 89mm x 152.4mm)
Temperature Measurement Range:
K-Type: -200°F to 2,372°F (-129°C to 1,300°C)
S-Type: 0°F to 3,182°F (-18°C to 1,750°C)
Internal Operating Temperature Range: 32°F to 122°F (0°C to 50°C)
Accuracy: Within ±1.8°F (±1°C)
Resolution: 1°F (0.56°C)
Sampling Interval: 0.2 Seconds to 24 Hours (0.5 sec. to 24 Hours with RF)
Number of Samples: 5,460 per each of 6 channels
Power Supply: Rechargeable Power Pack
Expected Power Pack Life: 300-400 charging cycles
Operation Manual
CE Marked to European Directives

INDATA™ Thermal Barrier

Exterior/Box: Inconel construction
Dimensions: Range of 6.0" x 9.0" x 18.0" (152mm x 228mm x 457mm) to 10.0" x 13.0" x 22.0" (254mm x 330mm x 560mm) Model/Range/Application Dependent
Custom sizes available - call ECD for quote
Insulation: Micro porous and phase-change heatsinks
Sensor Connections: 6-Internal, via a replaceable K or S Type Bridge for OST style thermocouple connectors
Time/Temperature: Example at 120 minute duration; 475°F to 1,650°F (246°C to 900°C)

RF Transmitter

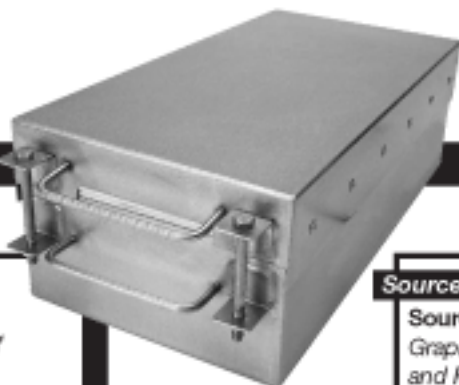
Dimensions: 0.4" x 3.5" x 2.8" (10.16mm x 88.9mm x 71.12mm)
Battery Type: Uses profiler's battery pack
Channel/Frequency: 15 Selectable Channels 913.0 - 920.0 MHz
Modulation: Narrow Band Frequency Modulation
Deviation: 30 kHz peak to peak
Output Power: -3dbm (equivalent to 0.5 microwatts)
Antenna Connector: MCS Series RF Coaxial
FCC approved: Type accepted per Part 15C

RF Receiver

Physical Dimensions: 6.15" x 5.3" x 1.15" (156.2 x 134.6mm x 29.21mm)
Power Supply: 9 volts, 120 mA wall transformer
Channel/Frequency: Same as transmitter
RF Architecture: Two identical dual conversion Superheterodyne
Sensitivity: 105 dbm
Signal Strength Readout: Two green-yellow-red LED bars
PC Interface: RS-232 (4-pin Header), 9600 Baud
FCC approved as required by Part 15B

RF Antennas

Transmitting: One Inconel of dimensions to match thermal barrier
Receiving: Two Yagis 6 dbd, 10 dbd optional



Software Specifications

SourceTrak™ Software

SourceTrak™ Software for Windows™:
Graphic and Intuitive User Interface, Modeling, Analysis, and Reporting application
Windows 3.xx, Win 95, and NT 4.0 Compatible
REAL-TIME RF Features:
View live on-screen process performance
Process Alarm Points (Up to three) with editable operator action messages
Auto-update scaling of X & Y axis
Time-of-Day X-axis units
INDATA™ Internal temperature display
Greater Measurement Range Choice of K or S-Type Thermocouples
Static or Conveyorized Furnace Modeling Zones as Time or Distance
Prediction Alter furnace model parameters for comprehensive what-if analysis
3-D View with reversed angle perspective
File Cloning saves repetitive data entry
Overlay Compares current data with a reference curve
Tolerance Band Graphically documents your process specification compliance
Sensors Map Graphically documents thermocouple locations in a bitmap file
Cure Index and Time to/above Temperature Analysis
Multiple File Viewer/Selector Presents thumbnail profiles for profile recall
Data Options List raw data or export text file to spreadsheets
Reports Custom 1-page color hardcopy
And Much, Much More!



Your Contact Is:



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