



ENHANCED RELIABILITY

Measurement of sterilization, pasteurization or cooking parameters by an autonomous recorder
High accuracy of temperature and pressure measurements versus time
Immediate reading of recorded data and their results with any Windows based computer

METROLOG BREAKTHROUGH

An internal battery supplies the MicrologD's power, eliminating the need for an external wired connection.
After the heating and/or pressurization cycle is complete, the recorded data is automatically analyzed and can be read with any computer.

APPLICATIONS

A compact sensor system that determines conditions within an instrument set during the heating or pressure cycle
Rapid confirmation that the programmed time, temperature, and pressure are achieved at the core of a load or set to be heated.

SPECIFICATIONS

TYPE	
MicrologD T	temperature
MicrologD PT	pressure and temperature
METROLOGY	
Temperature (PT100)	
Max. temperature in °C (°F)	150 (300)
Accuracy in °C (°F)	0.16 (0.3) K=2
Resolution in °C (°F)	0.02 (0.03)
Pressure (piezoresistive sensor)	
Range in bar (psi)	0 to 5 or 10 (0 to 75 or 150)
Accuracy in bar (psi)	0.01 (0.15)
Resolution in bar (psi)	0.001 (0.015)
MEMORY/PROGRAMMING	
Storage capacity (pts)	43 000
Scanning rate	from 1 s to 10 h
Delay	from 0 s to 40 days
Communication (bauds)	115200
POWER SUPPLY	
Battery type	MD15
Autonomy (hours)	1000
MECHANICS	
Material	Stainless steel
Dimensions (mm)	66 x 41 x 28

Metrolog

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Sercel

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