Combined Temperature/ Pressure Logger

Kaye ValProbe™ is a wire-free process validation and monitoring system designed around the measurement and reporting requirements of the most intensely regulated industries. ValProbe simplifies access to hostile, remote and hard-to-reach environments by eliminating hard-wired sensors, greatly reducing study setup time and associated costs.

The combined Kaye ValProbe Pressure/ Temperature Logger provides an integrated solution to small scale sterilizer validation, monitoring and routine control.

Combining with the Kaye Single Reader provides a very cost effective solution to smaller sterilization applications such as bench-top or lab sterilizers, hospital validation and routine control, and other sterilization validation needs in dental offices and other users of medical equipment.

Applications

- Steam Sterilizer Validation

- Hospital Validation and Routine Control

- Small scale sterilization in dental offices

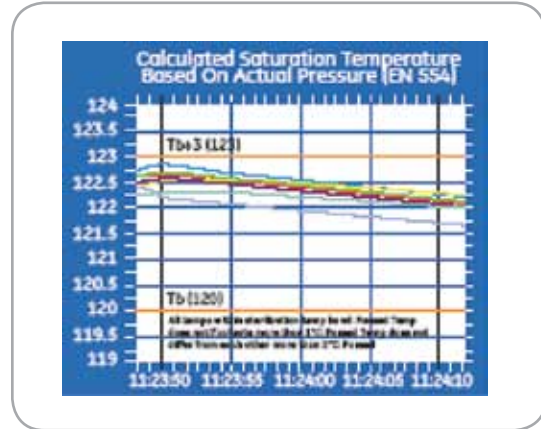- Parametric Release applications

Features

- Combined Pressure and Temperature Logger

- High accuracy Temperature and Pressure measurement to meet regulatory requirements

- 10,000 data sample memory

- Cost Effective field-replaceable battery

- Operator programmable sample rates from 1 sec to 12 hours

- Configurable start, change and Stop events

- Enables compliance with ISO-17665, EN 554, EN 285 and HTM-2010

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Sensing Element Temperature	Precision Platinum RTD
Measurement Range and Accuracy	0 to 140°C ±0.1°C -45 to 0°C ±0.25C
Environmental Temperature Humidity Pressure	-45 to 140°C 0 to 100% humidity, condensing 0 to 10 bar absolute (0 to 147psia)
Logger Material	316 stainless steel
Battery	Field-replacement 3.6V Lithium Thionyl Chloride
Sampling Rate	1 second to 12 hours
Data Storage	5000 samples per sensor retained in EE PROM memory
Calibration	Factory calibrated (NIST-traceable) with user calibration
Real Time Clock Accuracy	15 seconds per 24 hours (0.0174%) from -45 to 140°C
Regulatory Compliance	UL, CE, Intrinsically Safe

Sensing Element Pressure	Absolute Pressure Sensor	
Operating Range	0 to 5 bar absolute (0 to 73 psia) from 0°C to 140°C	

Accuracy	Temperature Range	Accuracy
	>0°C to 120°C	±25 mb
	>120°C to 135°C	±10 mb
	>135°C to 140°C	±25 mb

Environmental Temperature Pressure	-60°C to 140°C 0 to 5 bar absolute (0 to 73 psia)	
Logger Dimensions	Diameter 46mmx35mm (1 7/8 in x 1 3/8 in) Height 72mm (2 7/8 in)	
Calibration	Factory calibrated (NIST-traceable) with user calibration capability	
Part Number	X2532	

The Single Reader serves as the interface between individual logger and the powerful ValProbe system software. Along with the system software, the Single Reader facilitates pre-study programming and data download study completion. Its compact design makes it well suited for field use or desktop applications like benchtop autoclaves and smaller sterilizers requiring a limited number of measurement points.

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