

MICROPACK III PRESSURE LOGGER



Micropack III Pressure Logger

- Wireless pressure logger.
- Compact (48mm x 18mm)
- 16,000 Logging points with NIST traceability
- Compliant with **FDA 21 CFR Part 11**
- Intrinsic safety



Controlling a process requires very precise monitoring equipment and the sensor must be very close to the product to be monitored, especially in the food industry where there are even containers inside other containers. The ultra-small pressure logger Micropack III (MPIII) measures 18mm wide by 48mm long. The MPIII pressure loggers fit inside containers so that pressure readings from 0 PSIA (0 BAR) to 72.5 PSIA (5 BAR) with exceptional accuracy and from temperatures up to 140°C (284°F). With its wide working range and high accuracy, the MPIII pressure logger not only performs phenomenally well in canning and packaging processes, but is perfectly suited for a wide range of applications where pressure affects product quality.

High-quality measurements

The MPIII pressure logger provides highly accurate, NIST-traceable data that helps you to optimize processes in your traceability, help you to optimize processes in the food, pharmaceutical and other industries. Due to its storage capacity of up to 16,000 data records (8,000 readings for pressure and 8,000 for temperature), the MPIII pressure logger 8,000 readings for pressure and 8,000 for temperature), and its measurement accuracy it can be used in different applications and validation processes. applications and validation processes. The MPIII pressure loggers meet many of the most demanding process common process monitoring needs of the industry.

Improved Productivity

The Micropack III pressure logger features a small design with intuitive software, which makes it easy to use and integrate into the process, improving your productivity considerably.

Saving time and money

Due to its ease of use, very little time is needed to learn how to operate the Micropack III pressure logger. Features such as infrared communications for programming and infrared communications for programming and downloading data from the equipment, make these processes fast, simple and very fast, simple and efficient. The MPIII pressure logger is a unique and comprehensive solution that can be extended to solution that can be extended to simplify data logging of any set of process parameters.. As an intrinsic part of this solution, the software developed for Windows is compliant with the **FDA 21CFR Part 11**. The software allows reporting in the format of your choice, saving time and money with automatic data downloads and graphs. This system allows for password protected use, electronic signatures and allows you to automatically generate documentation for auditing tests. You can even synchronize several loggers (of any type, not just pressure loggers) with the same program.

Application.

These are some of the fields of application of this equipment:

- Food, packaging and canning.
- Beverages, including wine and soft drinks.
- Pharmaceutical, including autoclaves and sterilization. EtO (ethylene oxide)
- Sterilization Autoclaves.
- Monitoring of compressed gas systems.
- Pressurized processes in reactors and streams.

Specifications.

Operating parameters	
Temperature	+25°C (+50°F) to +140°C (+284°F)
Pressure	0 PSIA (0 BAR) to 72,5 PSIA (5BAR)
Temperature Accuracy	± 0.25°C (± 0.45°F)
Pressure Accuracy	± 0.45 PSIA (± 0.03 BAR)
Dimensions and constructions	
Size	Width: 18mm x Length: 48mm



MPIII Pressure Logger

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Weight	55 grams
Material de construction	316 stainless steel with IR ports Sapphire Windows
Sensors	
Temperature	Thermistor
Pressure	Pressure stress gauge
Measuring parameters	
Memory	8,000 temperature observations
	8,000 pressure observations
Measuring interval	Operator programmable. Intervals from 1 second to 18 hours.
Mechanical	
Calibration	Factory calibration (NIST traceable)
Battery type	Lithium (field replaceable)
Clock accuracy	26 seconds every 24 hours
Certifications	LCIE EEx (for intrinsic safety), EC
21 CFR Part 11 Compliant  	