

Thermo Scientific Electronics Upgrade Package

The Thermo Scientific™ Electronics Upgrade Package provides a flexible solution to obsolescence issues of older gauging electronics. The package will maximize your return by extending the life of sensors you trust without compromising the level of reliability and maintainability you need.

Features

- Industrial-proven modular design
- Maintenance-friendly terminations
- Incorporation of latest compensation algorithms
- Interface links (Ethernet TCP/IP, serial, OPC, Profibus, etc.) to host computer
- User-friendly operator interface
- Process capability check
- Remote access ready
- Production report package
- Fault location detection

Benefits

- Cost-effective solution to extend sensor life
- Reuse of existing sensor components
- Portability of calibration data
- Elimination of electronics obsolescence concerns
- Recertification of sensors
- Versatility in electronics design
- Retention of existing communication and input/output links
- No engineering/installation costs for measuring mechanism



Our engineers have identified the many legacy gauging product models offered over the years whose working life would be extended by the Thermo Scientific Electronics Upgrade Package. These former brand names are Boyle, Daystrom, DMC, Eberline, FAG, Loral, Nucléomètre, Radiometrie, THI, and Weston. The result is an electronics upgrade design that is based on the latest modular processors and digital and analog interfaces. In addition, our flexible electronics platform can also be adapted to gauge models from many other suppliers.

The evolution of microprocessor technology and personal computers over the last decades has rendered many gauge computers obsolete while their C-frames, scanners and associated sensors are still providing state-of-the-art performance. And as many board level electrical components become obsolete, sustaining engineering costs grow significantly, making the Electronics Upgrade Package both an attractive and logical choice.

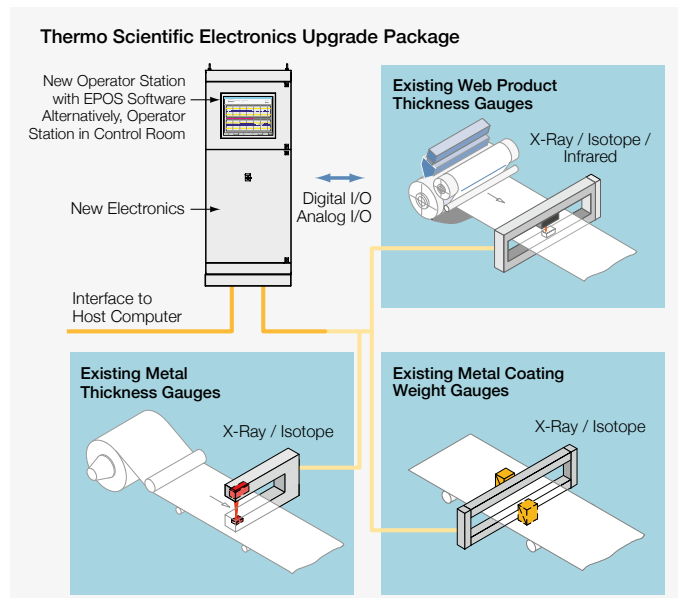
Isotope, infrared and x-ray gauges

When considering an upgrade for your production line, the Electronics Upgrade Package is the ideal option. The electronics are based on a flexible platform that can be used for Isotope, x-ray and Infrared gauge upgrades. All of the measurement algorithms, motion modes and standard host interfaces have been included in the gauge software. The Thermo Scientific Enhanced Processing Operators Station (EPOS) operator screens provide a crisp, clear, more detailed display for the operator to monitor production uniformity. Additionally, the modular electronics design will allow for optional connections to nearly every type of control and/or data archiving system.

The Electronics Upgrade Package can also be produced in a multiple configuration, permitting the use of two or more C-frames/O-frame scanners and the computer electronics cabinet for enhanced cost effectiveness.

Thermo Scientific EPOS operator interface

The monitor pages of the operator station are divided into logical, functional groups that are visible from the navigation bar. The EPOS operator interface uses the universally familiar Windows® operating system. This allows for the individually designed and application adapted presentation of all important data for quality control, operation and process control in any language. The EPOS software includes a Print Manager function



for configuration of coil and roll report printing options. Automatic printouts (driven by events), manual hard copies of selected pages or PDF files can be generated. The customer's network printer can be used if customer's network is connected with the gauge. The Windows operating system also enables EPOS to interface with standard applications like Microsoft® Word, Microsoft Excel®, or Microsoft Access™ (option).



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