



PRO Main Module

Monitoring for Assembly and Test Applications

The **PRO** Main Module is a powerful and compact process monitoring and test device. The **PRO** electronics are housed in a compact enclosure that is DIN rail mountable for easy installation. The Ethernet port allows for easy communication back to the Promess application software running on the Promess HMI or a standard PC. Multiple **PRO** modules can also be networked to a central data collection point.

The **PRO** is powerful yet simple to use making it perfect for monitoring assembly applications such as press-fit, staking, crimping and riveting, yet powerful enough to tackle the more demanding test applications where accurate high-speed data collection and advanced analysis are required.

The Promess application software, which is included with the system, is used for the configuration of the program, the visualization of the real time process data, and the data collection of the process. The process data can be exported for further analysis using standard statistical packages. The intuitive **PRO** software guides you quickly through setup menus, as well as monitoring and data display screens.

The **PRO** system allows for the connection of a large range of sensors to monitor a variety of processes, some of which include force, distance, torque, pressure, and flow.

Promess provides the complete system: the electronics, software, sensors, as well as installation assistance. Promess will also assist in the design and selection of the sensors best suited for your specific application.

Typical System Includes

- PRO Main Module
- Sensors
- Preamplifier
- PRO application software
- Integration and design assistance
- Training and calibration assistance



Features

- In-Process Quality Verification
- Part Traceability
- Two high-speed 24 bit analog inputs per module
- One encoder input per module
- Compact modular design
- Easy to use programming and HMI software
- Advanced data analysis functionality:
 - Signature monitoring
 - Unlimited gauging points
 - Curve analysis tools
 - Integrated programming language with complete math functions
- Defined Database
- Data Export functions
- Fieldbus options
- Auto calibration for sensors
- Diagnostics for setup and troubleshooting
- Network multiple systems

Options

- Promess HMI Display
- Fieldbus Interface Module
- Expanded Input/Output Module
- Integrated Charge Amplifier

