

Powerful, Proven, Crimp Defect Detection

A robust, reliable performer for detecting wire crimping defects and providing 100% traceability

CFM4100 / CFM4200



Crimp Force Monitoring

Monitoring your wire crimping process and knowing when manufacturing conditions are changing is critical in detecting errors, and eliminating unnecessary scrap.



Supports up to 2 channels!

Proven Wire Crimp Analysis

- The system captures the crimp force signature over time, and compares this signature to the reference or "learned" signature using OES's patented CDA algorithm
- Sophisticated 3-zone analysis is performed for world-class discrimination between normal and abnormal cycle signatures that identify a defective crimp

Intuitive Interface

- Graphic LCD backlight for visual indication of crimp failure
- Common icons and one-touch processes make it easy to get the results you need

100% Traceability

- The *ForceView for Windows* software stores all production data for playback or export
- Crimp process data can be logged and recalled by time stamp

Quick Start Setup

- The menu-driven, keypad interface makes setup intuitive and fast
- Immediately color graphs of crimp process signatures are displayed on *ForceView for Windows* showing any trend relative to configurable upper and lower tolerances.
- Automatic tolerance optimization

Direct Machine Control

- Interfaces with station control to inhibit the crimping when the process signature moves outside of the tolerance limits
- Interface with chopper equipment

Simple to Install

- The universal, flexible bracket can quickly mount the monitor in the most appropriate location
- Includes all the required sensors, cables, connectors and instructions

Simple Connectivity

- Connect with your plant-wide network via Ethernet



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Model	# of Channels
CFM4100	1
CFM4200	2

Machines Applications	
Bench Press - OEM	✓
Bench Press - Retrofit	✓
Automatic Press - OEM	✓
Automatic Press - Retrofit	✓
Sensor Options	
OES Piezo Sensor (Strain, Force)	✓
SenFit™ Base Plate	✓
SenFit™ Ram Adapter	✓

Technical Specs

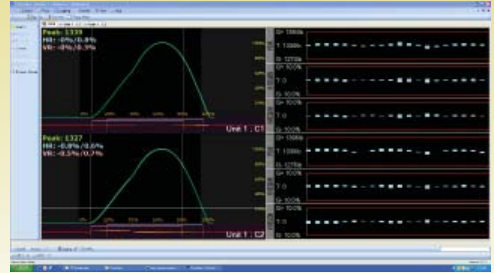
Supply Voltage	100-240 VAC (50-60 Hz)
Communications	1 Ethernet RJ45 1 USB 2.0 (expandable)
Sensor Inputs	1 and 2
Digital Inputs	2 per channel
Digital Outputs	4 per channel
Display	LCD backlit screen, keypad, ForceView™ for Windows
Dimensions	114 x 190 x 65 mm 4.5 x 7.5 x 2.56 inch

CFM4000 package includes:

- CFM4000 Unit
- ForceView for Windows Software
- Sensor and connecting cables
- Universal, flexible mounting bracket
- Electrical interface cables

FORCEView™

ForceView for Windows enables operators to set-up and operate the CFM4000 Series units. ForceView contains a powerful set of graphical signature analysis tools so you can track production trends and process variations based on preset tolerances. It also captures the crimp process signature of every crimp for 100% traceability.



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