



CFM 4000

TECHNICAL DATASHEET

CRIMP FORCE MONITOR

FEATURES

The CFM 4000 enables manufacturers to actively monitor crimp force during real-time production in order to eliminate defects due to operator error, set-up problems, tooling wear or breakage, as well as automatically detecting missing or incorrect parts.

The CFM 4000 utilizes advanced microprocessor and force sensor technologies, along with comprehensive software and a user-friendly interface to support smooth integration and simple operation in any production floor environment.

The CFM 4000 stores and recalls individual crimp profiles by part number, thereby allowing for quick changeover between production runs without

having to relearn the required parameters for each set up process.

During run time operation, the CFM 4000 displays SPC data and graphical information for each crimp cycle, along with data logging capabilities that can provide historical recall of every crimp signature for quality tracking and reporting purposes.

CPK computation and optimization of your production controls are possible by evaluating your process capability data stored in the saved data.

CAPABILITIES

The CFM 4000 can display a range of information, such as:

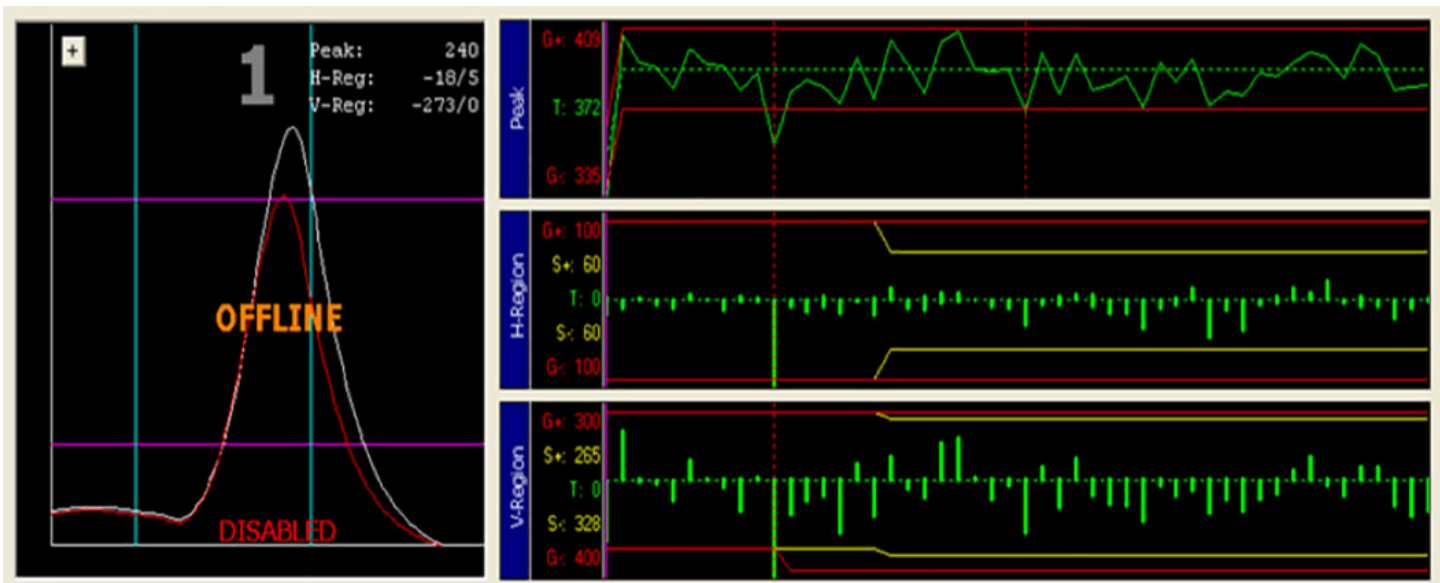
- 1) engineering data (e.g. target force vs. actual force, tolerances, & deviation);
- 2) graphic display of the Force Curve during the crimp cycle; and/or
- 3) bar graphs of force data (PEAK, AREA, etc.).

A built-in counter maintains a running total of passes and failure types for each crimping press.

The CFM 4000 can simultaneously monitor force on two channels, enabling it to be shared between two separate SAS/2 crimping systems at the same time, optimizing overall machine utilization and accelerating ROI payback.

With two levels of failure detection, easy-to-use ForcePak software, and standards-based network interfacing, the CFM 4000 can be configured to handle a wide range of crimping operations and can be integrated smoothly within overall quality assurance and SPC methodologies.

SAMPLE SCREEN OF FORCEPAK SOFTWARE



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