



"Your monitoring specialist"
certified ISO 9001 + ISO 14001



Crimping Line

Crimp Force Monitor CFM-PRO touch

Quality control system for wire harnessing



Crimp Force Monitor CFM-PRO touch

With the Crimp Force Monitor CFM-PRO touch the quality of crimp connections can be monitored during production. A piezoelectric strain sensor is being installed in the frame of the crimping press for measuring the elongation of the frame. These values are compared to reference values by the CFM-PRO touch.

In case of exceeding the defined tolerances, the device gives an alarm and stops the crimping press. Continuous monitoring ensures the consistently high quality of the crimp connections.

Performance features

- ⚙ Easily adaptable to manual presses and semi-automatic stripper crimper machines
- ⚙ Modern touch display allows comfortable operation
- ⚙ Automatic trigger system: no sensors required, but it's use is possible on request
- ⚙ Simple T1, T2, T3 & TD analysis tools
- ⚙ Many output signals available for sorting, machine stopping, short wire cutting during teach-in, chopper interfaces...
- ⚙ Pro-Lite analysis software for PC
- ⚙ All critical functions can be protected from unauthorized use by either using a code word or a security dongle
- ⚙ Optional: piezo ring sensor for use in ram or base plate



Quality Management
Environmental Management
ISO 9001
ISO 14001
www.dekra-seal.com

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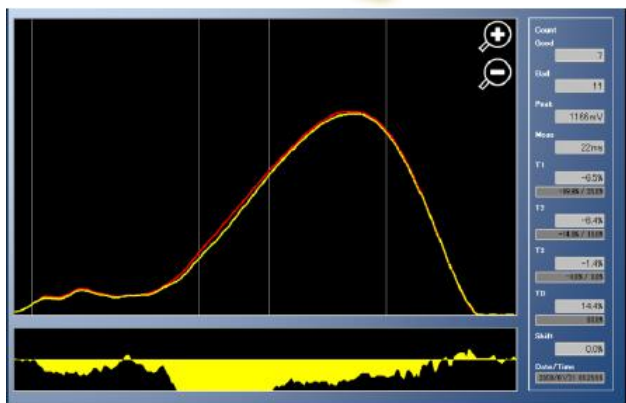
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Normal crimp force curve of a good crimp displayed in PRO-Lite
(reference curve in red is congruent with yellow actual force curve)

T1, T2, T3, TD
analysis tools



Simplified tolerance
settings



The following defects can be detected safely:

- ⊗ Strands out / Insulation in core crimp
- ⊗ High insulation
- ⊗ Low conductor
- ⊗ Insulation barrel bent in or outside
- ⊗ Inappropriate wire gauge

Technical specifications

⊗ Equipment name / type	CFM-PRO touch
⊗ Power supply	100 – 240 VAC, 50-60 Hz
⊗ Application	Manual presses, semi-automatic stripper crimper machines
⊗ No of presses monitored	1
⊗ Minimum wire size	AWG28
⊗ Used sensor	piezo strain sensor for mounting on the press frame optional: piezo ring sensor for use in ram or base plate
⊗ Standard equipment	1 main unit Dongle 1 piezo strain sensor BNC cable 1 I/O cable 1 power supply 100 – 240V AC / 24 V DC with AC plug mix 1 USB 2.0 cable Optional: Dongle for access protection
⊗ Data interface	USB 2.0
⊗ Dimensions (W x D x H)	137 x 84 x 50 mm
⊗ Weight	approx. 0.5kg



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