



Press Analyser PAL3001

Press analysis tool for crimping presses

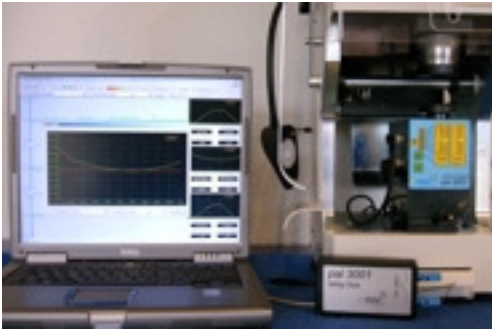


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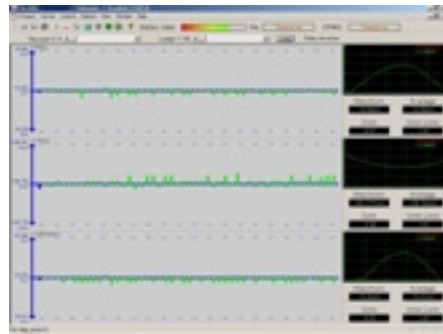
The mass production of wiring harnesses, especially in the automotive supply industry must meet and be verified according to the highest quality standards. The combination of state-of-the-art technology and long-term experience in the wire harness business makes the PAL3001 to a most innovative and useful tool for the quality control in the wire harness production.

Performance Features

- **Compact:** precise force control, height measurement and evaluation electronics in one device
- **Intelligent:** sensor signals are processed by the integrated micro controller
- **Comfortable, because battery-powered:** no need to look for a mains plug
- PAL3001 suits fully automatically the machine speed
- Adjusting gauge for shut height with „slow motion“ function
- Shut height settings possible with four different counterpoises (10 kN, 8 kN, 6 kN, 4 kN)
- Measuring of the force and shut height stability under production conditions
- Simple operation via PC-based operator interface
- All settings are done automatically
- Programmable clock generator
- Simultaneous determination of the analysing capability of the crimp force monitor CFM MX via serial interface
- Signal evaluation and trend monitoring online and offline available
- Packing and storage in a stable and extra designed aluminum box



Visualization of the measuring via laptop



Measured values are displayed as histogram

Our Press Analyser PAL3001 offers you this verification with its state-of-the-art measuring technique:

- Fast and safely
- Immediate evaluation on the PC possible
- Results of measurement can be stored and retrieved in a database
- Reports can be printed in various formats
- Notebook function for maintenance jobs

Job routines to test the presses are simple and require minimum expense of your time:

- Replace the crimping tool by the PAL3001
- Connect it with your laptop (no further cabling necessary)
- Start the program and the press
- After the second cycle all settings are made automatically.
- After each cycle the new shape with its results is displayed
- With the programmable relay you can start/stop cycles with a mouse click

Technical Data

• Power	Battery 12V (rechargeable), 700 – 1100 mAH (depending on model)
• Charging device	115 – 230 VAC
• Battery capacity	4 hours continuous operation (charge display on PC)
• Maximum force	20 kN
• Maximum resolution	0.25 N
• Shut height measurement	Optimum shut height \pm 250 μ m
• Measurement accuracy height	3 μ m
• Dimensions	140 x 90 x 140 mm
• Weight	2.5 kg
• Interface	RS232
• Relay output	Potential free 24V DC (switching cycles programmable)