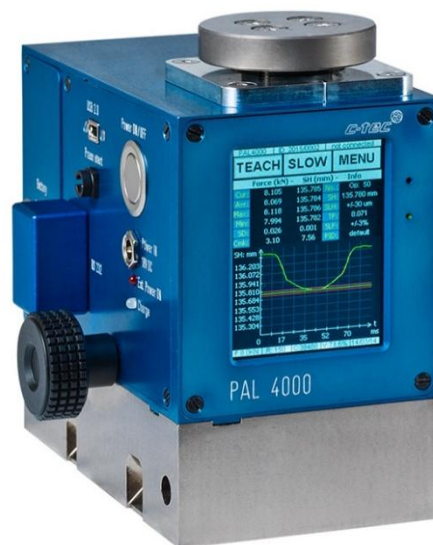


"Your monitoring specialist"
certified ISO 9001 + ISO 14001

Crimping Line

Press Analyser PAL 4000

The new generation of press analysis tools



Press Analyser PAL 4000

The **Press Analyser PAL 4000** is a most efficient and innovative tool for the maintenance and capability check of crimping machines. New and unique features like colour touch display, integrated memory and USB interfaces in combination with our proven quality make the PAL 4000 to an essential tool for quality assurance in the wire harness production. Due to the modern touch screen an easy and comfortable operation as well as an immediate presentation of the measuring results directly at the device is possible. There is no need for an additional PC. Up to 100 measurements can be recorded in the integrated memory. The powerful battery allows a flexible use without electric hook-up.

Performance features

- Colour touch display for easy operation
- Displaying of force and height curve and statistic data directly on the PAL display
- Displaying of force curve and statistic of crimp monitor
- Data entry directly in PAL 4000 possible
- Storage of up to 100 press analyses data
- Motorized force selection
- Highest measuring resolution
- No laptop needed for press setup or press analysis



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Further performance features

- ⊗ Display of shut height, force or histogram
- ⊗ Selection of colour combinations for the display
- ⊗ USB interface for PC
- ⊗ Synchronisation function between PAL 4000 and computer with PAL software
- ⊗ Integrated RS 232 interface for crimp monitors
- ⊗ Checking of various crimp force monitors via PAL 4000
- ⊗ Auto power off (if not in use)
- ⊗ Real time clock
- ⊗ Counter for calibration cycles
- ⊗ Logbook with memory for calibration and overload
- ⊗ Count down function for relay box (delay time to shut the safety cover)
- ⊗ Robust case for storage and transport
- ⊗ Charger for fast battery recharging



Presentation of the measurement results

Optional accessories:

The PSI1000 charge amplifier enables the connection of force sensors with charge output to c-tec devices that are designed for operation with IEPE force sensors (e.g., PAL4000, PAL3001, CFM-PRO touch, FSI).

Technical data

⊗ Power supply	Accu-Pack with 10xMignon Accu NiMH, 2000 mAh (only rechargeable batteries*), size AA
⊗ Charging device	115 – 230 V AC to 24 VDC
⊗ Battery capacity after full load	approx. 6 hours
⊗ Counterforce	1 - 20 kN
⊗ Maximum measurable load	20kN
⊗ Resolution height sensor	0.5 µm
⊗ Measuring path height sensor	optimum shut height ± 400 µm
⊗ Resolution force sensor at 8 kN	2.5 N
⊗ Interface to PC	USB 2.0
⊗ Interface to crimp monitor	RS 232
⊗ Press start signal	Relay contact NO/NC
⊗ Dimensions (W x D x H)	100 mm x 140 mm x 140 mm
⊗ Weight	4.6 kg (without accessories and case)



Robust case – protected from splash water and dust