

■ High Performance Package HPP-25

Process monitoring with integrated riveting controller and touchscreen



■ Product description

More than 10 years' experience in riveting process monitoring have gone into the development of the HPP-25 Process Controller. HPP-25 is the further development of the proven STF-1 Expert process controller and the RC20A machine controller.

HPP-25 consists of a basic unit with several add-on modules and a powerful PC tool for data logging, riveting curve analysis and diagnostic possibilities.

Thanks to the latest computer technology it has been possible to further improve the rivet start detection – trigger level setting is no longer required, minimum rivet start perfect after only 2 mm, and that at maximum advance speed.

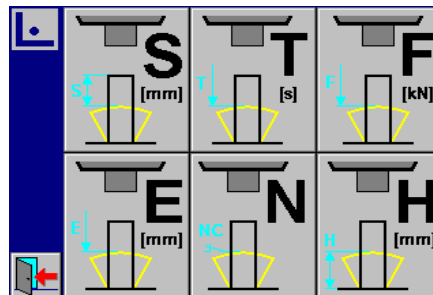
■ Operation via touchscreen

The simple operation via the 5.7" touchscreen also sets new standards.

- 6 different control parameters,
- 39 different riveting modes

The implementation of all 6 physically possible riveting modes (control parameters) allows all present and future market demands to be met:

- ⇒ Mode S: Deformation path from start of rivet
- ⇒ Mode T: Forming time from start of rivet
- ⇒ Mode F: max. forming force
- ⇒ Mode E: Riveting spindle travel
- ⇒ Mode N: Riveting to external signal
- ⇒ Mode H: Riveting to closing head height



A total of 30 different riveting modes are available with differently monitored control values and symmetric or asymmetric tolerance windows.

■ Integrated data logger and riveting curve display

All riveting results can be written internally to a log file and viewed directly at the touchscreen monitor. Every riveting curve is recorded directly and can be displayed on the monitor.

■ Export/import possibilities: USB and Ethernet interfaces

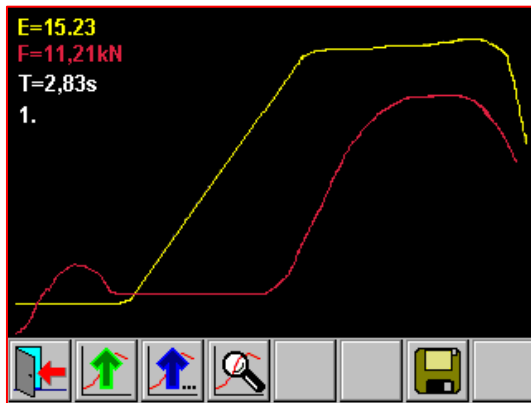
USB interface for:

- ⇒ Saving the logger data, riveting curves
- ⇒ Saving / loading setup parameters and riveting programs
- ⇒ Saving the alarm history

Ethernet interface for:

- ⇒ Connection of a PC for online operation of the HPP-25 tool
- ⇒ Riveting data transfer to a superordinate controller via UDP protocol

■ **Backup and diagnostic tool:
HPP-25 PC Tool**



The HPP-25 PC Tool offers you a choice of the following functions:

- ⇒ Online diagnosis of the inputs and outputs
- ⇒ Upload/download of parameters and riveting programs
- ⇒ Online logger function and various views of logger data
- ⇒ Online display of riveting curves
- ⇒ Display of parameter list and alarm history

■ **Options**

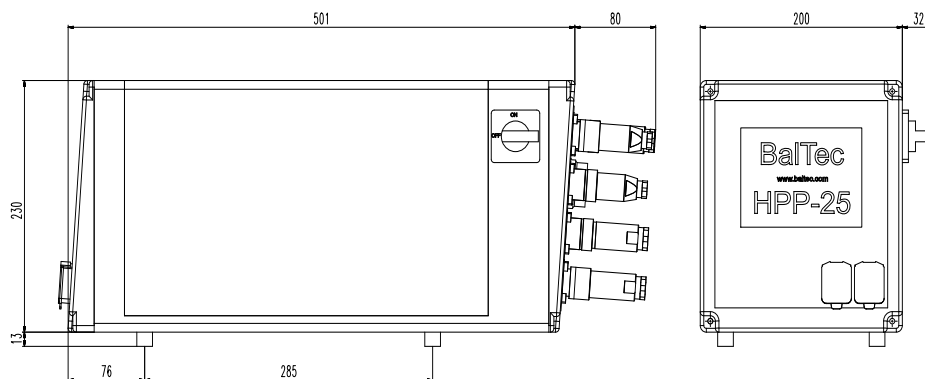
- ⇒ PLC interface
- ⇒ Interface board with digital inputs for rivet start and program selection, digital outputs for status of HPP-25 and riveting result OK/NOK
- ⇒ Analog output board
- ⇒ Autocompensation code

■ **Technical specifications**

- ⇒ 5.7" LED-backlit touchscreen monitor (colour)
- ⇒ Memory for 63 riveting programs
- ⇒ Various supply voltages: from 1 x 100 V to 3 x 575 V
- ⇒ Internal supply voltage 24 V DC, a total of 4.0 amp is available for additional consumers (valves, PLC, auxiliary relays, lamps, etc)
- ⇒ USB and Ethernet interface on the front panel
- ⇒ Sockets for power supply, motors, valves, initiators, sensors on the rear panel, all with plugs
- ⇒ ARM 9 processor, operating system WinCE

■ **Weight:** 12 kg

■ **Dimensions diagram**



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Subject to technical changes.

For further information please see our website www.baltec.com or give us a call.