Electr. EC Tightening System with Angle Monitoring – YETC-500

Energy Conserving Machinery Award

The Japan Machinery Federation's President Award

35th The Japan Machinery Federation

▸ Direct measuring of the angle of rotation and contactless signal transfer.

▸ Reliable detection of damaged threads, double tightenings, obstructions, etc.

▸ Almost no reaction forces due to the hydraulic impulse mechanism.

▸ High-intensity LED for illuminating the fastener head.

▸ Combinations of acoustic signals and/or LED (green/red) for feedback of iO/NiO results to the worker.

▸ Motor speed freely adjustable in the control, three different speed settings: Trigger start – screwing in – final fixing.

▸ Pulse cell equipped with separate fan.

▸ Standard as 2-channel unit; optional 4-channel.*

▸ Optional with Ethernet/LAN interface RJ-45.

Hybrid Technology

The number of adjustable parameter sets has been increased to 20. This significantly improves adaptability to different work processes.

For each of the 20 parameter sets, the motor speed can be adjusted in three stages to suit the respective bolting operation.

The touch panel LC colour display with plain text allows more comfortable parameter input. In addition to displaying the tightening torque, angle of rotation and number of pulses, it also offers a graphic display of the torque curve.

The measuring coefficient of the impulse wrench is automatically recognised; this saves set-up time and avoids setup errors.

● Group monitoring function (counting); signalling of group end acoustically/optically at the tool as well as at the relay output of the controller.

● Output of the tightening results to PC or PLC via different interfaces: USB, RS-232C, 10 I/O and optional Ethernet interface.

● Storage of parameter sets and tightening results on USB storage medium. This makes it independent of the PC workstation.

● Simultaneous use of two wrenches on one controller possible.

● Connection to existing Yokota controller possible.

Front Panel

Touch panel type LCD
RS-232C serial connector
USB connector

Back Panel
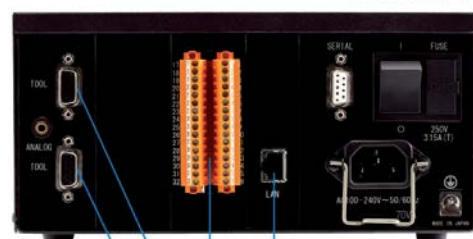
※Ethernet connector (Option)
I/O connector
Tool connector 1
Tool connector 2

www.zemo-tools.de

One amplifier (e-PDA) is required per e-system wrench. With 2-channel specification, 2 tools can be used simultaneously; with 4-channel version, 4 tools can be used in definable order (not simultaneously).

Further information available 24 / 7 on our website.