



TOOL CONTROLLERS

Norbar's Tool Controllers are used in a range of industries and applications where a high degree of tool control, automation or data gathering is required. In addition to the input of torque data, the controller can simultaneously take data from other sensors, such as angle or pressure, and the various inputs analysed together. It is possible, for example, to compare the inputs from multiple torque transducers or torque vs. angle or torque vs. pressure. In this way, Norbar Torque Controllers have been utilised in a diverse range of applications with typical examples being valve testing (torque vs. angle vs. time), automated hydraulic torque wrench testing (torque vs. pressure) and multi-spindle tool control. Logic within the Controller can be used to interface with other parts of a manufacturing or testing process to achieve go / no-go control for example, a process can be halted until certain measured parameters are met. Norbar's latest controller, illustrated below, uses a colour touch screen user interface for the easy input of details such as: test piece identifiers - type and serial number, operator name and specific targets to meet.

Examples of Norbar Tool Controllers are shown on page 107 but, in fact, these products are highly customised and will be engineered and programmed for our customers' specific requirements. For more details please visit the Engineer to Order section of the Norbar website at: www.norbar.com/Services/

Engineer-to-Order or contact your Norbar distributor to discuss your requirements.





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TOOL CONTROLLER (TTT based)

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TRANSDUCER LEADS FOR TOOL CONTROLLERS

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targets to meetque & Angle Annular Transducers

60308,600 PRO-LOG, TST, TTT, T-Box XL & T-Box 2 to

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Norbanwalesite TheuTorque® remote tool ed with annular www.wencosharecosn/Services/ solenoid d valve assemblies

Engineer-to-Order or contact your d steel Norbar distributor to discuss your

reguirement fields for test valve details, limits & angle / turns limits

- Forward / reverse cycling to user progra numb variable up to 32,000° · One torque transducer port, f
- conne
- One twin solenoid port for ssembly
- One hand pendant in
- Two proximity limit sw measured at the trans
- One customer pressur r data recording (not tool shut-off)
- One RS232 + one USB data output ports
- Real time torque & angle or torque & turns data streaming
- · Test data capture and output in CSV format onto external USB drive, for the generation of customer test reports & graphs
- · Emergency stop button and torque overload limit function











torque