MultiPro 3G – the control system for tightening and press-in processes



The combination of intuitive user-friendliness and a modular, scalable hardware and software concept created a basis that meets the current and future requirements in assembly 4.0. Flexible in application, because the installed firmware defines the use of the MultiPro 3G as a tightening or press-in system. Furthermore, the MultiPro 3G technology with the innovative scalable functional area enables the individual configuration of the scope of services. With a variety of configuration options, the MultiPro 3G offers a flexible solution for your assembly process, as well as for simple and complex tasks. DSM implements special modifications in a customer oriented and professional manner – a new generated function can be easily integrated into the MultiPro 3G as an add-on.



DSM Messtechnik GmbH Dieselstraße 16 73431 Aalen, Germany

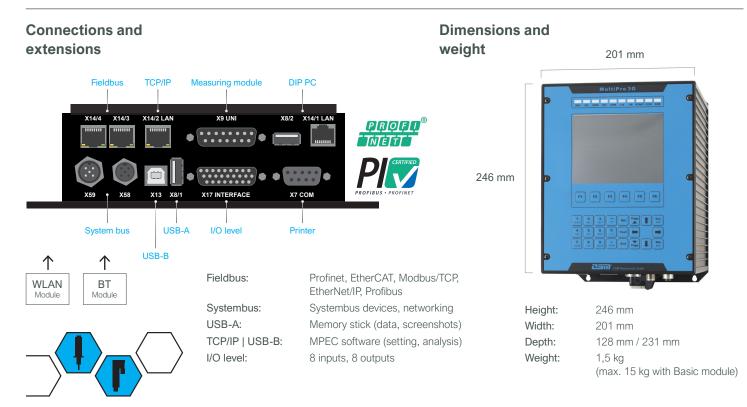
info@dsm-messtechnik.de www.dsm-messtechnik.de

Technical data sheet Control system MultiPro 3G

Firmware	TIGHTEN 1300 Firmware Add-on expandable (Licensing system)	PRESS-IN Add-on 3300 Firmware (Licensing system)
Processes	Turn in to torque / Turn in to angle of rotation / Turn in to initiator / Turn in to yield strength / Turn in to head contact / Turn out to angle of rotation / Turn out to torque	Move to starting position / Move empty / Move to length / Move to force / Move to initiator / Move to external length
Functions	Envelope monitoring / Dynamic Fieldbus / Result selection torque, angle of rotation / Hold mode torque, position / Gradient detection / Filter (low-pass, smoothing, head contact) / Linearisation torque, angle of rotation /	Envelope monitoring / Dynamic Fieldbus / Result selection force, length, external length / Hold mode force, position / Gradient detection / Filter (low-pass, smoothing) / Linearisation force, length / Absolute length measurement, Relative length measurement /
Programming	 255 Programmes: 1 - 128 = Startable programs, 129 - 255 = Subprograms (for recurring process sequences) Max. 200 lines (instructions) per program / max. 3000 program lines total More than 40 instructions are available for sequence programming A selected process forms a tightening stage / press-in stage. Up to 99 steps per program can be used to create the assembly process. Measured values memory, graphics memory, error memory, statistics memory for each step. 	
Display and keyboard	 5,7" Touch colour display (14,48 cm diagonal), resolution 320 x 240 Pixel, TFT 262k colours, touchscreen: measuring value display, static display, graphics display with full screen mode and zoom function, user interface with intuitive operable icons Status LED: Ready, OK, NOK, Memory A / C, Connection, Network, Fieldbus, Start, CCW / CW rotation, Error 	

Function keys: F1 - F6 for configuration and programming, as alternative for touch operation

Keyboard: 15 keys (alphanumeric), 8 navigation keys



DSM Messtechnik GmbH Dieselstraße 16 73431 Aalen, Germany

info@dsm-messtechnik.de www.dsm-messtechnik.de



-01000011 / V1.1