

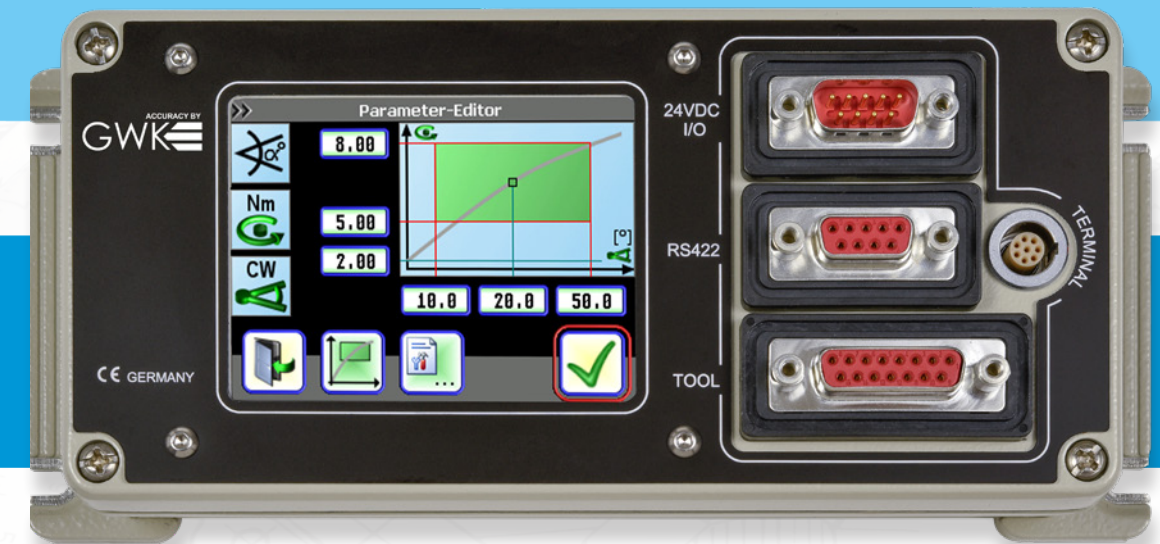
Quality Made in Germany

OPERATOR[®] EST01

The electronic torque/angle hand tool
Electronic control unit with PLC communication

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OPERATOR[®] EST01

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Technical features

- Torque capacity to 200 Nm
- Torque controller
- Rotation angle controller
- Yield strength controller
- Data output: Final reading and screw curve
- Intuitive graphical user interface
- 2GB internal memory
- Digital inputs and outputs to the PLC
- Data transfer: Bidirectional communication, RS232 or RS422

Technical data

- Measuring accuracy torque
± 1% between (10 - 100)% of the nominal range
- Microprocessor, measured value memory 32 bit RISC architecture 2 GB internal memory
- Power supply 12 - 24 V DC max. 1A
- Measuring accuracy Angle of rotation * 0.1° Resolution of display
- TFT display 320 x 240 pixels, 16-bit colour
Analogue touch panel
- Serial communication RS232 or RS422
- Digital inputs and outputs 1 optocoupler input
4 optocoupler outputs



EST01 control unit dimensions

CONTROL UNIT	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
OPERATOR EST01 *	204	86	60	0,8

OPERATOR EST01[®] dimensions

OPERATOR hand tool * Dimensions without tool insert	30	60	100	150	200
Measuring range [N·m]	3 - 30	6 - 60	10 - 100	15 - 150	20 - 200
Length [mm]	290	300	349	395	395
Width [mm]	48	48	48	48	48
Height [mm]	46	46	46	46	46
Weight [kg]	0,4	0,5	0,6	0,9	0,9
Square mount [mm]	9 X 12	9 X 12	9 x 12	14 X 18	14 X 18
Reversible ratchet inside micrometre [mm]	17,5	17,5	17,5	25	25

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Overview

1	12/24V DC
2	Serial PLC interface
3	3.2" TFT display 320 x 240 pixels, 16 bit colour with touch function
4	Tool interface
5	Powerful and future-proof 32 bit - RISC core
6	Fixed point-less rotation angle measurement
7	Square changeover system with quick-change function
8	360° - LED ring * for visualisation of the fixed point-free screwing process
9	Acoustic signal generator
10	Vibration alarm
11	Tool cable 5m

* optionally available

