

Quality Made in Germany

# OPERATOR®

Sets new standards in screwing technology

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**GWK**  
ToolRent®  
Simply rent tools



## Technical features

- Measuring range 3-800 Nm
- Torque controller / Rotation angle controller
- Yield point / Loosen-tighten / WDM method \*
- Left- and right-handed operation possible
- Communication protocol for all common production systems
- Onward torque measurement for process capability testing \*
- Bright, high-resolution display with wide viewing angle
- Problem-free operation with gloves
- Free software for parameterising and outputting final readings
- Pluggable WLAN module for simple and fast tool exchange in the production line

## Technical data

- Measuring accuracy torque  
± 1% between (10 - 100)% of the nominal range
- Measurement accuracy rotation angle \*  
0.1° resolution of display
- Microprocessor, measured value memory  
32 bit RISC architecture internal memory 2 GB
- Display  
320 x 240 2.0" pixel TFT display with UPS
- Power supply Li-Ion, 5000 mAh with overload protection  
for approx. 6 hours of continuous operation

\* optionally available



## Dimensions OPERATOR<sup>®</sup>



Dimensions without tool insert	30	60	100	200	300	400	600	800
Measuring range [ N·m ]	3 - 30	6 - 60	10 - 100	20 - 200	30 - 300	40 - 400	60 - 600	80 - 800
Length [ mm ]	417	427	427	520	799	799	1045	1405
Width [ mm ]	50	50	50	50	50	50	50	50
Height [ mm ]	32	32	32	32	32	32	32	32
Weight [ kg ]	ca. 1,0	ca. 1,0	ca. 1,0	ca. 1,2	ca. 1,8	ca. 1,8	ca. 2,4	ca. 3,0
Square mount [ mm ]	9 · 12	9 · 12	9 · 12	14 · 18	14 · 18	14 · 18	14 · 18	14 · 18
Drive [ mm ]	3/8"	3/8"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"
Reversible ratchet inside micrometre [ mm ]	18	18	18	25	25	25	30	34

## Overview

1	WInterchangeable square drive system for insert tools
2	Fixed point-less rotation angle measurement
3	Powerful and future-proof 32 bit - RISC core
4	Display 320 x 240 2.0" pixel TFT display with IPS
5	Power supply / data cable USB-C
6	360° - LED-Ring * for visualisation of tightening curve
7	Replacement battery, Li-ion technology
8	Vibration alarm
9	Robust aluminium titanium construction
10	Wireless data transfer via WLAN *
11	2D scanner * Operable via the device keypad can be used for all standard 1D / 2D barcodes
12	± 60° lockable

\* optionally available



## EasyWin<sup>®</sup>

PC software for parameterisation, data acquisition and archiving. The PC software EasyWin<sup>®</sup> is included in delivery with the Operator<sup>®</sup>

### Accessories PC- software

- Parameterisation of the Operator Plus tools
- Creation of screwing sequences
- Reading out and archiving the memory content
- convenient database functions
- Statistical evaluation of the screwing results

