

Quality Made in Germany

QUANTEC MCS[®]

Multibox

The electronic torque / rotation angle hand tool.
Our compact screwing lab.

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ACCURACY BY
GWK



Technical features

- Measurement range 1.2 -200 Nm
- Torque controller / Rotation angle controller / Yield strength controller
- Audit functions: Prevail torque / Loosen-tighten
- Prevail torque measurement for process capability investigation (PFU) according to VDI/VDE 2645
- Wireless data transfer WLAN
- Measuring channel for prestress force measurement
- Compatible with the analysis software Ceus and QS-Torque
- Intuitive graphical user interface

Technical data

- Measuring accuracy torque
± 1% between (20 - 100)% of the nominal area
- Measurement accuracy rotation angle *
0.1° resolution of display
- Microprocessor, measured value memory
32 bit RISC architecture internal memory 2 GB
- TFT display
320 x 240 pixels, 16-bit colour analogue touch panel
- Power supply Li-ion, 2600 mAh with overload protection
for approx. 8 hours continuous operation
- Additional measuring channel
16 bit resolution 3 VDC supply for external sensors (nominal value 2mV/V). Connection from piezo sensors possible using voltage distributor

* in acc. w. GWK approval certificate QuanTec MCS 2014



Multibox control unit dimensions

tabele	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
QuanTec MCS * Multibox	200	75	65	1,3

QuanTec MCS[®] dimensions

QuanTec MCS [®] Dimensions without tool insert	12	30	60	100	200
Measurement range [N·m]	1,2 -12	3 - 30	6 - 60	10 -100	20 - 200
Length [mm]	190	280	290	340	385
Width [mm]	49	49	49	49	49
Height [mm]	40	40	40	40	40
Weight [mm]	ca. 0,4	ca. 0,5	ca. 0,5	ca. 0,6	ca. 0,8
Square mount [mm]	¼ "	9 x 12	9 x 12	9 x 12	14 x 18
Reversible ratchet inside micrometre [mm]	-	17,5	17,5	17,5	25

Overview

1	Comfortable carrying strap
2	Replacement battery, Li-ion technology
3	3.2" TFT display 320 x 240 pixels, 16 bit colour with touch function
4	Measurement input for prestress force sensors (16 bit resolution)
5	Wireless data transfer via WLAN *
6	Robust aluminium titanium construction
7	Interchangeable square drive system for insert tools 1/4 "
8	Interchangeable square drive system for insert tools 9 x 12
9	Interchangeable square drive system for insert tools 14 x 18
10	Fixed point-less rotation angle measurement
11	Powerful and future-proof 32 bit - RISC core
12	360° - LED-Ring * for visualisation of tightening curve
13	Digital measurement input for problem-free signal transfer

* optionally available





QuanLab Pro[®]

for parameterization, data acquisition, graphic evaluation and archiving of final readings and tightening curves



Accessories PC- software

- Parameterisation of the Quantec tools
- Creation of complex screwing sequences
- Reading out and archiving the screwing data
- Convenient database functions
- Statistical evaluation of the screwing results (PDF, Excel)» Extensive evaluation options for process and tool inspections



ANALYSIS



DATABASE