

**GEDORE**
**Electronic torque wrench / rotational angle wrench, with integral display E-Torc Q, maximum torque: 200N·m**

**Order data**

Order number	655002 200
GTIN	4002805935606
Item class	60N

**Description**
**Version:**

The E-Torc Q / QR is a powerful electronic torque / rotational angle measuring wrench with the latest sensor technology and a 4.3 inch TFT display. Operation is optionally by **touch function or hardware buttons**. Curve depiction and evaluation can be displayed directly on the measuring tool. Parameter sets can be displayed with image data.

Data is exchanged between the torque wrench and stationary PC control software by means of Wi-Fi (2.4 and 5 GHz) or USB mini-port (from Windows® 7).

The signal transmission is shown visually by progress bars, acoustically by beep tone and by touch by means of vibration. Load cycle counter and date of the last calibration can be viewed via a menu.

**Units of measure:** Nm, lbfft.

Battery with quick-change system.

**Function:**

- **Torque control**
- **Torque / rotational angle control**
- **Elastic limit monitoring: Determination of the elastic limit of bolted connections on the basis of the difference quotients.**
- **Prevailing torque: All processes to VDI / VDE 2645 sheet 3.**
- **Slackening / tightening: Determination of the torque value of a bolted connection e.g. after application of the operating load.**

**Application:**

As an analysis and quality key. In research and development, the E-Torc Q / QR saves on costly experimental test rigs. Bolt fastening trials of tightening specifications can be performed directly on the component and documented.

**Cutting dataa:**
**Legend for drawing and formula:**

$l_1$  = Lever length without plug-in head

$l_2$  = Adjusted reference dimension on the torque wrench

$l_3$  = Lever length including factory calibration reference dimension

$l_4$  = Reference dimension of the plug-in head

L = Total length of the tool

$T_1$  = Torque to be set

$T_2$  = Specified torque

**Supplied with:**

Supplied with plug-in reversible ratchet, charger cable, data cable, 4 GB memory, USB stick with documentation, operating manual and evaluation / operation software.

In a rectangular box with foam inlay.

**Note:**

Please comply with the **specific national requirements!**

Accessories on request.

## Technical description

Exchangeable tool	Plug-in head
Socket for plug-in head	14×18 mm
Square drive	1/2 in
Weight	2000 g
Torque measuring accuracy	±1 %
Torque range	20 - 200 Nm
maximum torque	200 Nm
Resolution	0.1 Nm
Series	E-torc
Measurement process	Torque
Measurement process	Rotation angle
Measurement process	Strækgrænse
Measurement process	Overdrejningsmoment
Lever length without plug-in head [ $l_1$ ]	552 mm
Adjustable trigger value	adjustable
Reversible reading	Nm
Reversible reading	lbfft
Lever length including factory calibration reference dimension [ $l_3$ ]	577 mm

Trigger principle	Vibration motor
Overall length L	615 mm
Setting the trigger value	digital, adjustable
Connection format	for plug-in heads (rectangular socket)
Standard	Manufacturer's standard
Adjusted reference dimension on the torque wrench [l <sub>2</sub> ]	25 mm
Display	digital
Feedback	displaying
Calibration	O3
Calibration	O5
Direction of tightening	For right- and left-hand tightening
Test certificate	Manufacturer's test certificate
Interface	USB interface
Measuring accuracy rotational angle	±1 %
Data can be recorded	yes
Measurement technology	electronic
Release signalling	optisk
Release signalling	akustisk
Release signalling	haptisk
Power supply	Rechargeable battery-powered
Type of product	Torque Wrench

## Services

DAkkS calibrationTorque wrench clockwise / anti-clockwise maximum torque 1000/2 N·m	020040 1000/2
CalibrationTorque wrench clockwise / anti-clockwise maximum torque 400/2 N·m	020030 400/2
CalibrationRotation angle Type W	020070 W