

Electronic Torque Wrenches

ET2SA

ELECTRONIC TORQUE WRENCH E-TORC

2-1000 N·m / 1.5-750 lbf·ft, with rotary angle measurement



Tightening check for torque/rotary angle:

- > Optical, acoustic and sensory signalling on reaching the set bolting parameter/with additional visualisation of screw tightening by means of LED progress bar.
- > Software-enabling graphics evaluation.
- > Marked contrast graphics display with backdrop lighting

Drive:

- > Spigot end 22/28 mm, 1/4" square drive or 9x12/14x18 mm rectangular cavity with pin-locking mechanism. The installation size determines the drive (model-dependent)
- > ET2SKA 150 and ET2SKA 300 incl. 1/2" rectangular reversible ratchet head
- > For hard-to-access places and given not enough room.
- > Special tools on request.

Light and pleasant:

- > The aluminium housing and ergonomic handle ensure easy, safe handling - even with large tightening torques.
- > Tool holding fixture, as from ET2SKA 150 120° rotatable to the aluminium housing

Function keys:

- > Easy to use
- > Key pressure taring
- > Side ergonomic operating key
- > Convertible from N·m to lbf·ft via software

Fields of operation:

- > Mini-batch assembly
- > Quality assurance
- > Test labs and testing departments
- > Emergency strategies for bolting stations
- > Corrective work places
- > Inspection and analysis of bolted connections

Version:

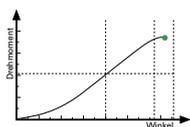
- > Large field of operation: 5 models in the range from 2 to 1000 N·m
- > Tool holding fixture 1/4" square, 9x12, 14x18 rectangular cavity with pin-locking mechanism, 22 and 28 mm spigot end
- > Signalling: visual (LED progress bar), acoustic (beep), sensory (vibration)
- > Tool holding fixture, as of ET2SKA 150 120° rotatable to the aluminium housing
- > Traceable to national standards
- > Torque reading precision +/- 1%, +/- 1 digit from reading figure
- > Factory certificate as per DIN ISO 6789 Type I Class C
- > Optional certificate as per DAKKS-DKD-R 3-7
- > Rotary angle calibration based on VDI 2648 Sheet 2
- > Backlit graphic display
- > Input of depth gauges for a variety of attachment tools
- > Power supply: Battery or rechargeable battery operation

Evaluation:

- > Reading a max. 2,000 data records
- > Serial interface RS232 for PC (USB adapter enclosed)
- > Comprehensive documentation of all screw parameters

Scope of delivery:

- > Electronic torque wrench Etorc2S/A
- > Operating instructions with brief guide
- > Test certificate acc. to DIN EN ISO 6789:2003 Type I Class C
- > 2 standard Mignon AA batteries
- > Evaluating software and data transmission cable RS232 and USB
- > ET2SKA 150 and ET2SKA 300 incl. 1/2" rectangular reversible ratchet head
- > Delivered in a robust sheet-metal case with insert



Torque/Angle



Editor



Parameter



Main screen



Settings



Curve diagram



| ■ " | ■ mm | ∅ | N·m | lbf·ft | lw | a | b | c | d | kg | Code | No. |
|-----|------|---------|--------|----------|--------|------|----|------|------|------|---------|-------------|
| 1/4 | 6.3 | | 2-25 | 1,5-18 | 275 | 35 | 45 | | 347 | 0.8 | 2795493 | ET2SKA 25 |
| 1/2 | 12.5 | 9 x 12 | 10-150 | 7-111 | 457 | 35 | 45 | 17.5 | 514 | 1.3 | 2795612 | ET2SKA 150 |
| 1/2 | 12.5 | 14 x 18 | 30-300 | 22-221 | 696 | 35 | 45 | 25.0 | 753 | 1.8 | 2795620 | ET2SKA 300 |
| | | | 22 | 100-600 | 74-443 | 990 | 35 | 45 | 56.0 | 1055 | 2795639 | ET2SZA 600 |
| | | | 28 | 100-1000 | 74-750 | 1423 | 40 | 45 | 75.0 | 1488 | 2795655 | ET2SZA 1000 |

TT3KH

ELECTRONIC TORQUE WRENCH TORCOTRONIC III

10-350 N·m / 7.4-258.2 lbf·ft



Use:

- > For everyday requirements in installation and torque control
- > For use in all areas of manufacturing and development

Features:

- > Microprocessor-controlled, electronic torque wrench
- > For controlled bi-directional tightening
- > Acc. to DIN EN ISO 6789, traceable to national standards
- > Robust workshop design
- > Broad measurement range in N·m, can be switched to lbf·ft
- > With 1/2" reversible ratchet. The ratchet is exchangeable, providing the option of using a 9x12 mm (TT3H 120) or 14x18 mm (TT3H 350) square socket

Characteristics:

- > Torque and torque angle measure
- > 5 different measuring modes
- > 5 parameters storable
- > USB interface for data exchange
- > 2000 storage places
- > Measurement accuracy torque +/- 1 %, +/- 1 digit
- > Measurement accuracy torque angle +/- 1 %, but min. +/- 1° on 360° with min. 4°/sec
- > Different depth gauges for end fittings programmable
- > Simple to operate with easy to understand icon-menu navigation and 4 functional keys
- > Clearly readable, illuminated LCD display
- > Resolution torque: 0.1 N·m
- > Resolution torque angle: 0.1°
- > PC-software easy to operate for uncomplicated programming and documentation of data
- > Data can be transferred to MS Excel®
- > Keyboard lock
- > Operation with standard Mignon AA or optional with rechargeable-battery (NiMH)
- > Visual signal: 3x LED (yellow, green, red)
- > Acoustic signal: buzzer
- > TÜV certified, CE and RoHS
- > 2 models in the range 10 - 350 N·m
- > Test certificate acc. to DIN EN ISO 6789:2003 Type I Class C
- > Calibration to DAkkS-DKD-R 3-7, Class 1 (on request)

Scope of delivery:

- > Electronic torque wrench TorcoTronic III HighLine
- > Reversible ratchet 1/2"
- > USB cable
- > Software on CD-R
- > Test certificate acc. to DIN EN ISO 6789:2003 Type I Class C
- > Delivered in a transparent plastic box with insert

Attention:

- > A PC, running a Windows® operating system (from Windows XP®) is required to obtain the full benefit of all the functions of this product.



Main menu



Settings



Parameter



Evaluation

| " | | mm | N·m | lbf·ft | kg | Code | No. |
|-----|------|---------|--------|------------|-----|---------|-----------|
| 1/2 | 12.5 | 9 x 12 | 10-120 | 7,4-88,5 | 0.9 | 2648636 | TT3KH 120 |
| 1/2 | 12.5 | 14 x 18 | 70-350 | 51,6-258,2 | 1.2 | 2648644 | TT3KH 350 |