

n·gineric

Intelligent rotary measured value sensor with angular measurement capability ng-TTR, maximum torque: 2N·m**Order data**

Order number	654381 2
GTIN	2050001941589
Item class	66E

Description**Version:**

Rotating sensors for **direct connection** to laptops, PCs or tablet PCs are non-contact and therefore do not wear.

Extremely high measurement resolution for torque (1/10,000 of the nominal measuring range).

Extremely small measuring ranges as from 5 cNm.

With 1/4 inch hexagon up to size 20; with square as from size 50.

With USB and Ethernet ports and ng-Link interface. Measuring accuracy $\pm 0.2\%$.

Advantage:

- **Ultra-compact design.**
- **Intelligent digital measurement – without a conventional measuring device.**
- **Very flexible, thanks to the wide variety of interfaces: USB and Ethernet for transferring measurement data as well as ng-Link for connecting peripheral devices from the n·gineric range.**
- **Measuring range of up to 2 Nm with integrated mechanical overload protection.**

Application:

- **For accurate measuring and screw fastening with 100 % checking in production.**
- **For checking and analysing screw fastenings.**
- **For calibrating and checking all kinds of hand-held and stationary screw turning tools.**

Note:

Supplied **without** data cable; USB cable available under No. 654378.
DAkkS calibration on request.

Technical description

Measuring range	0.2 - 2 Nm
Angular resolution	0.1 degrees
Torque measuring accuracy	±0.2 %
maximum torque	2 Nm
Drive hexagon	1/4 in
Hex drive	1/4 in
Direction of tightening	For right and left-hand tightening
Measuring accuracy rotational angle	±0.5 degrees
Interface	RS485 interface
Interface	USB interface
Interface	Ethernet
Test certificate	Manufacturer's test certificate