



Torque and angle, straight to your MES.

A production-ready line of electronic torque wrenches. The tool runs the Open Protocol server itself, so a plant MES or SCADA connects to it directly over Wi-Fi with no gateway, no controller and no software installed on the operator's PC.

4–1200 Nm

TORQUE RANGE

±2 %

OF READING

31

MODELS, 6 SERIES

IP54

PROTECTION

What makes it different

- ✓ **The wrench is the Open Protocol server.** Connected tools from the established names still need a controller or gateway to reach the plant floor. This one does not: your MES reads every result over Wi-Fi in real time.
- ✓ **Zero-install browser configurator.** Presets, calibration, results and diagnostics are served by the tool itself and open in Chrome or Edge over USB, Bluetooth or Wi-Fi. It works offline, and firmware for both the compute and radio modules updates from the same browser.
- ✓ **Torque and angle on every model,** with the full tightening trace captured, not just a peak value.

Specification

Accuracy	±2 % of reading	Housing	Aircraft aluminium, carbon fibre
Resolution	Down to 0.02 Nm	Protection	IP54
Angle	Gyroscope, auto zero	Drive	1/2" · 3/4" by model
Modes	Track · Peak · Torque plus Angle · Cal check	Power	Removable standard Li-Ion cell
Units	Nm · kgf·cm · lbf·ft · lbf·in	PC link	USB Type-C
Direction	Clockwise and counter-clockwise	Wireless	Wi-Fi · Bluetooth LE
Display	2.4" colour IPS, three shop themes	Integration	Open Protocol, tool acts as server
Working range	20 % to 100 % of each model's limit	Log	> 10,000 operations, CSV export, SD archive

Calibration and metrology

Calibration and verification follow ISO 6789-2 and run from the browser against a motorised reference bench. The tool is exercised to full scale in the direction under test, zeroed, then measured at 20, 60 and 100 % of its limit, repeated across runs, in both directions. Each direction gets its own preload, its own zero and its own curve.

- ✓ Relative deviation at every point against the tolerance band of the class
- ✓ Repeatability across runs, and the hysteresis loop measured up and back down
- ✓ Uncertainty budget with expanded uncertainty U at k=2, and a pass or fail verdict per point computed with U included
- ✓ Exportable certificate: one self-contained file with the chart embedded, ready to print

Certification. The design is finished and the full production package is complete; pilot units are in hand today. CE marking (RED, EMC, LVD) is targeted for **Q1 2027**. An accredited ISO 6789-2:2017 calibration certificate is underway. Current status and timeline are shared on request.

The full line — 31 models in 6 series

MODEL	RANGE, NM	STEP, NM	WEIGHT	LENGTH
Series GN1 — 4 to 80 Nm · compact bodies for precision fastening				
GN1-20	4–20	0.02	1.5 kg	350 mm
GN1-50	10–50	0.05	1.5 kg	350 mm
GN1-60	12–60	0.05	1.5 kg	350 mm
GN1-80	16–80	0.05	1.5 kg	350 mm
Series GN2 — 12 to 120 Nm · versatile span for general assembly				
GN2-60	12–60	0.05	1.6 kg	380 mm
GN2-80	16–80	0.05	1.6 kg	380 mm
GN2-100	20–100	0.1	1.6 kg	380 mm
GN2-120	24–120	0.1	1.6 kg	380 mm
Series GN3 — 20 to 180 Nm · professional grade for production lines				
GN3-100	20–100	0.1	1.7 kg	420 mm
GN3-120	24–120	0.1	1.7 kg	420 mm
GN3-150	30–150	0.1	1.7 kg	420 mm
GN3-180	36–180	0.1	1.7 kg	420 mm
Series GN4 — 20 to 300 Nm · reinforced for intensive, high-cycle duty				
GN4-100	20–100	0.1	2.5 kg	550 mm
GN4-120	24–120	0.1	2.5 kg	550 mm
GN4-150	30–150	0.1	2.5 kg	550 mm
GN4-200	40–200	0.1	2.5 kg	550 mm
GN4-250	50–250	0.1	2.5 kg	550 mm
GN4-300	60–300	0.1	2.5 kg	550 mm
Series GN5 — 40 to 600 Nm · high torque for large fasteners and structures				
GN5-200	40–200	0.1	3.5 kg	950 mm
GN5-250	50–250	0.1	3.5 kg	950 mm
GN5-300	60–300	0.1	3.5 kg	950 mm
GN5-400	80–400	0.1	3.5 kg	950 mm
GN5-500	100–500	0.1	3.5 kg	950 mm
GN5-600	120–600	0.1	3.5 kg	950 mm
Series GN6 — 100 to 1200 Nm · maximum torque, flange and structural joints				
GN6-500	100–500	1.0	6.0 kg	1500 mm

MODEL	RANGE, NM	STEP, NM	WEIGHT	LENGTH
GN6-600	120–600	1.0	6.0 kg	1500 mm
GN6-700	140–700	1.0	6.0 kg	1500 mm
GN6-800	160–800	1.0	6.0 kg	1500 mm
GN6-900	180–900	1.0	6.0 kg	1500 mm
GN6-1000	200–1000	1.0	6.0 kg	1500 mm
GN6-1200	240–1200	1.0	6.0 kg	1500 mm

Every model works from 20 % to 100 % of its rated limit. Accuracy is ± 2 % of reading across the line.

Working with us

OEM and white-label	Your brand, packaging and documentation across all 31 models	Minimum order	From one unit
		Lead time	Up to two months, subject to stock
Licensing	Open Protocol server firmware, browser configurator and FOTA	Delivery terms	By agreement
Contract R&D	Component or full-stack integration into your platform	Warranty	From one year

About us. Founded in 2016. Before this line we designed and supplied electronics for other companies, including the electronic modules for another manufacturer's torque wrenches; through that brand our electronics has already worked on the assembly lines of major automotive plants. Seven people: two founding architects, engineers in power electronics, analogue electronics and mechanical design, plus assembly and finance. Engineering and assembly in Armenia, component manufacturing partly in China.