

Torque Control TC1

Mobile measurement unit



The clever measurement unit for Pla



Mobile Documentation

An innovation in the mobile industry Measurement technology is the measurement unit TC1. It measures the applied torque and the subsequent wrenching process directly on site. The system works without cables during the screw-fitting process and can easily be mounted to the torquing device. The applied torque is visible directly on the sensor display. An additional target value can be defined. If the given tolerance is exceeded, the device will initiate an audible alarm. The operator will receive visual information regarding the applied torque pressure result on a display with LED traffic light colors. This feature is particularly useful when working in a loud environment.

Storage of up to 250 Screw values

The measurement result data can be filed in the device's integrated memory and can be transferred to a PC for analysis. Wireless operation with storage expansion is possible on request.

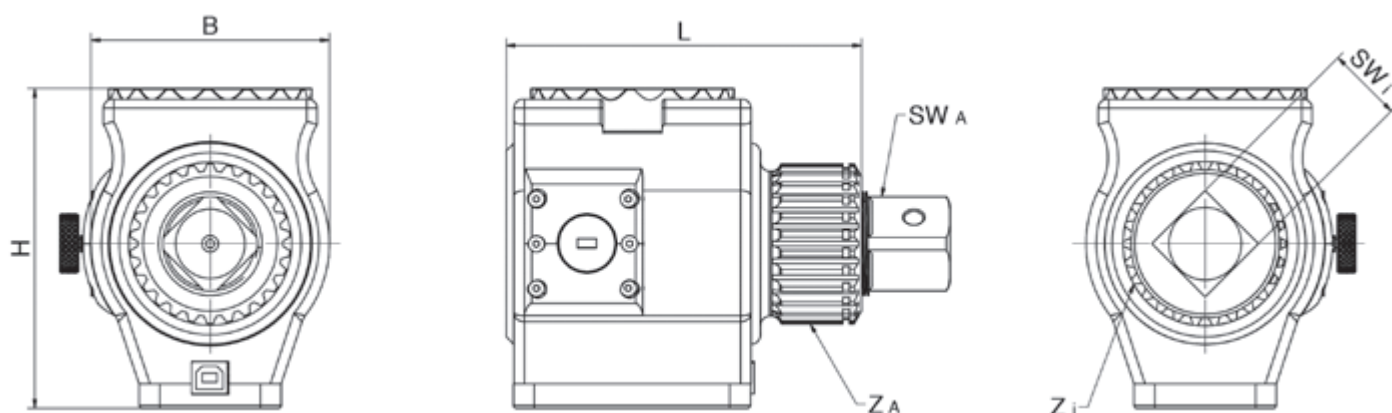
Maintenance-free and compatible

Torque Control is available in three different construction sizes and covers a measurement range of 110-5,500 Nm. The devices are compatible with the current Plarad rotating screwdriver program and are virtually maintenance-free. The calibration cycle is determined by the utilisation percentage and the frequency of use.



Torque Control in action

Plarad Nutrunner – TC1



Type		TC1 - 11	TC1 - 31	TC1 - 41	TC1 - 55
	Unit	min. - max.	min. - max.	min. - max.	min. - max.
Measurement range	Nm	110 - 1 100	310 - 3 100	410 - 4 100	550 - 5 500
Measurement range	ft-lbs	81 - 811	229 - 2 286	302 - 3 024	406 - 4 056

Dimensions					
Weight	kg	2.60	4.80	2.70	5.00
Za (external teeth)	N	26	45	26	45
Zi (internal teeth)	N	26	45	26	45
SWa (outer square)	in	3/4"	1"	1"	1 1/2"
SWi (inner square)	in	3/4"	1"	1"	1 1/2"
H	mm	108	133	108	133
B	mm	81	101	81	101
L	mm	120	150	120	150

For all Types

Battery	NiMH8	Use/storage temperature	0 to +50°C
Charging voltage	5-9V DC	Accuracy	Accuracy class 2 (2%)
Charging current	max. 1A	Battery operation	ca. 24h
Data and charging connector	USB 2.0 Type B	Charge time	ca. 1h
Protection class	IP 20	Storage capacity (screw values)	250
Input	100V -240V 50/60 Hz	Adapter	CEE 7/16
Output	+5V DC 1A		Euro plug (Type C)

Torque Control accessory

Stable transportation and storage boxes, such as the TC1 Data Trans Software, are included in delivery. A USB power supply and USB data cable are also included in order to charge the Torque Control battery and transfer data directly to the PC.



Torque Control Software

- Documentation from: Screw connection date, time, OK-/NO OK -result
- Storage of screw connection data
- Evaluation/statistics/archive
- Optimised documentation and process security
- Quality assurance guarantee



... a successful connection!

Maschinenfabrik Wagner GmbH & Co. KG
Birrenbachshöhe · 53804 Much · Germany

Tel. national: (02245) 62-0

Fax national: (02245) 62-66

Phone international: +49 (0)2245 62-10

Fax international: +49 (0)2245 62-22

info@plarad.de · www.plarad.de

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