

m-TAC Manual Torque of AGL Control

General presentation



The **m-TAC** system is the ultimate tool for manual control of the torque value of each screw/ bolt tightening the inset fittings on their respective shallow base.

Combined with one optional differential GPS – Real Time Kinetics, the position of the operators on the runways and taxiways is known at +/- 1metre.

If one optional D-GPS – Real Time Kinetics, the position of the operators on the runways and taxiways will be accurately known at few tens of centimeters precision. There is therefore no requirement for installation of RFID tags near each fitting.

Measurement is done manually using the torque wrench. Each result will be stored in the airport database of AGL fittings. The torque wrench has an extension rod of 1m50 so that operator can undertake the measurements while standing.

Results are sent from the torque wrench to the laptop computer or tablet using WiFi.

Control and mesure

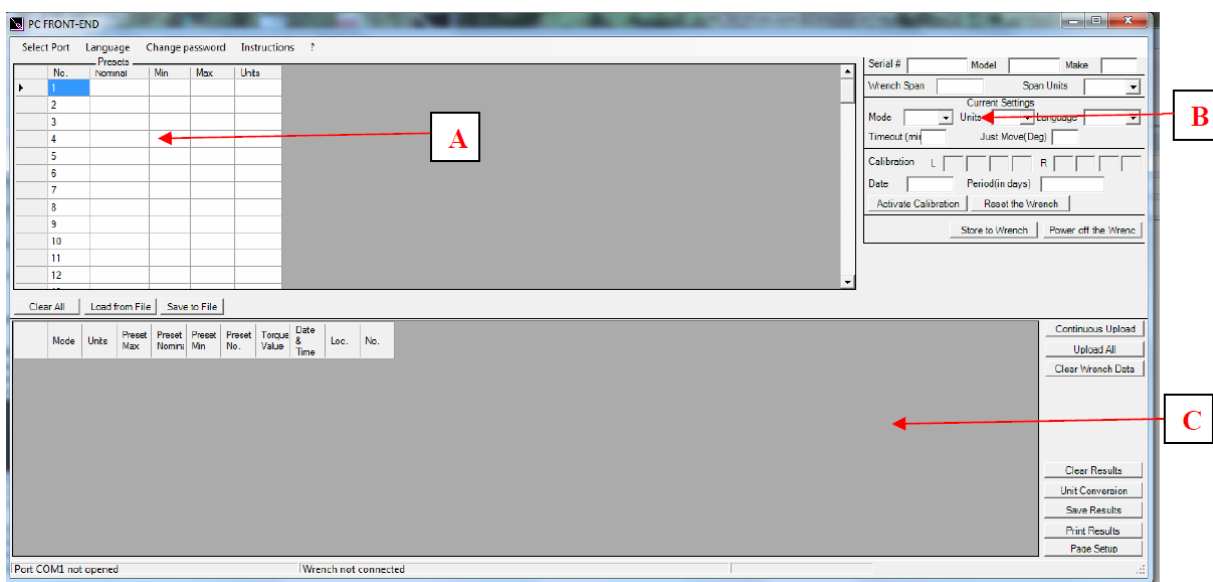
The digital torque wrench is calibrated in accordance with ISO 6789:2003 and is supplied with a fully traceable calibration certificate. A PC based data management software is provided with the tool including features like SPC, export options and USB adaptor for WiFi communication. Values such as C_{pk} and standard deviation can be determined with visual representations of torque results reated to offer comprehensive analysis of torque performance.



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Features

- Intuitive menu-driven interface that allows operators to learn the tool operation in few minutes.
- Dedicated software interface that allows easy settings and recording of results.
- The area "A" on top left is dedicated to the re-settings that can be programmed in the software and sent to the wrench via WiFi;
- The area "B" on top right provides the information about the wrench (serial nr, etc...);
- The area "C" below gives the torque data that have been recorded and that are sent to the laptop when connected. These data are saved under Excel format (CSV file) when clicking on "Save the file".
- The torque data are also stored in the internal memory of the wrench.



Technical data

- Ratchet information: Square 3/8 diam. 16 with plug 17mm/ square 3/8 with 1m50 extension rod
- Length of wrench: 468mm / Weight: 1,2 kg
- Resolution: 0,01 Nm
- System power supply: Battery
- WiFi communication between wrench and laptop/ tablette
- Dedicated case for transport and storage
- Optional D-GPS for precise location

