

TORQUE TESTER FSC

- torque measurement in both directions
- high speed of measurement - up to 1000 samples per second
- peak mode
- storing measurement results into memory
- USB and RS232C serial interface
- statistics, graphs, comparing to thresholds function



FSC series meters are designed to calibrate/check torque wrenches. In order to do measurement torque force sensor is mounted to panel. Hand held torque wrench equipped with proper tip is placed into force sensor socket. When stressing the torque wrench user compares wrench indications with FSC meter indications.



ext. calibration



force chart



units selection



max force



results memory



date and time



multilanguage



min force



printout configuration



thresholds/seletion



statistics

Principles of operation



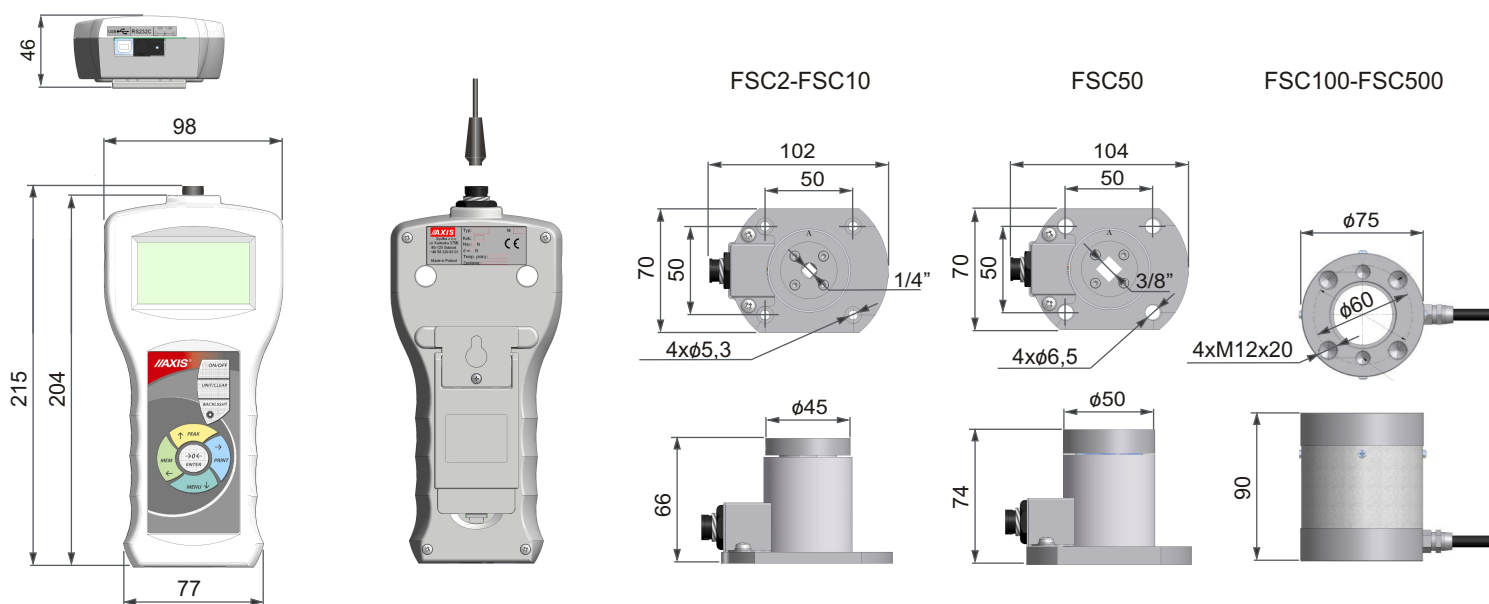
The way of checking torque wrenches



Torque measurement using fidaptor



Option with wireless module



Technical data

| Model | FSC2 | FSC5 | FSC10 | FSC50 | FSC100 | FSC200 | FSC500 |
|-------------------------------|---|----------------|---------------|---|-----------------|--|-----------------|
| Maximum force measured | 2Nm (~0,2kgfm) | 5Nm (~0,5kgfm) | 10Nm (~1kgfm) | 50Nm (~5kgfm) | 100Nm (~10kgfm) | 200Nm (~20kgfm) | 500Nm (~50kgfm) |
| Reading graduation | 0,001Nm | 0,001Nm | 0,01Nm | 0,01Nm | 0,1Nm | 0,1Nm | 0,1Nm |
| Accuracy | ±0,5% F.S. | | | | | | |
| Maximum overload | 150% F.S. | | | | | | |
| Operational temperature | -10 ÷ +40°C | | | | | | |
| Units | Nm, Ncm, kgfm, lbfm, gfm | | | | | | |
| Display | grafical LCD | | | | | | |
| Measurement speed | max 1000 measurements/s | | | | | | |
| Measuring functions | maximal value measurement, serial measurement, measurement in time | | | | | | |
| Measurements memory | RAM 6 400 measurements, microSD card slot; only FC: optional RAM memory expansion to 72000 measurements or 26000 with date+time | | | | | | |
| Interfaces | RS232C, USB, clock; options: trigger IN, transoptor OUT (for thr function), wireless modul | | | | | | |
| Software | AXIS FM program | | | | | | |
| Power supply | internal accumulators NiMH: 4x1,2V 2700mAh + supply: ~230V 50Hz / 12V; 1,2A | | | | | | |
| Working time with accumulator | ~30h (~25h with backlighting) | | | | | | |
| Wrench size | 1/4" | | | 3/8" | | on demand | |
| Dimensions | 215x98x46 (meter) 102x70x66mm (sensor) | | | 215x98x46 (meter) 104x70x74mm (sensor) | | 215x98x46 (meter) Ø75x90mm (sensor) | |
| Weight | 0,6kg(meter) + 1,5kg(sensor) | | | | | | |