Torque Read-Outs

MTA Torque & Angle Analyser

- Transducers automatic recognition
- 7 measuring modes
- Suitable with Force, Torque, Angle Transducers
- Real time clock and USB interface
- Graphic functions on PC interface
- 5000 readings memory
- Delivered with 3 softwares without licence
    1. PC interface program
       Calibration, tool test, graphic
    2. Torque meter booloader
    3. Statistics program (via Excel)

4 transducers multiplexer

Suitable with all our transducers the MTA is a powerfull hand-held Force/Torque/Torque & Angle.
Analyser. It allows you to set up and create tool tests, save readings for PC transfer. It is the ideal solution to organize and store data collection for ISO and SPC documentation.
It may be connected simultaneously to 4 different transducers via a multiplexer. Use of bar code reader is also possible to select quickly the tool test for each of your tool on the assembly line.

Model	Power Supply	Code
MTA	Main/Battery	4-7600010
Multiplexer 4V		4-7600117

Bar code reader :
Easy to select one tool test thanks to a bar code sticker fixed on each tool (ideal for periodical control).
When a multiplexer is connected the bar code reading will automatically select the necessary transducer.

Model	Code
Bar code reader	4-7600118

Torque Read-Outs

TA Smart Series

• Easy to use scroll Menu • 500 readings memory • RS 232 output
• Mini/Maxi Torque limits with relay • Cm/Cmk statistics inside • Impulse tools measuring mode

TA SMART Torque Read-Out features both user friendly program and very accurate electronics.
It is suitable with any 2mV/V static or rotary strain gauges transducer.
Thanks to its built-in statistics program, Cm/Cmk or Cp/Cpk can be immediatly known (according to AFNOR standard) and modified according to the requested tolerances.

Model	Power Supply	Code
TA V2 Smart	Main/Cell V9	4-7600284

TA SB Smart Series

• Easy to use scroll Menu • 500 readings memory • RS 232 output
• Mini/Maxi Torque limits with relay • Cm/Cmk statistics inside • Impulse tools measuring mode

TA SB SMART Torque Read-Out features both user friendly program and very accurate electronics.
It is suitable with 5 volts brushless rotary transducer (SB Series see page 10).
Thanks to its built-in statistics program, Cp/Cpk can be immediatly known (according to AFNOR standard) and modified according to the requested tolerances.

Model	Power Supply	Code
TA SB V2 Smart	Main/Cell V9	4-7600286

Accessories

Test joints for EZ testers

The test joints allow to simulate hard, semi elastic or elastic assembly. They take into account the rotation speed of the tool and simulate your assembly conditions for an optimized adjustment.

Standard

Model	Fastening simulator	Drive	Code
SVS13F	Hard	Male Hexagonal 1/4"	4-7602000
SVS13SE	Semi-elastic	Male Hexagonal 1/4"	4-7602001
SVS13E	Elastic	Male Hexagonal 1/4"	4-7602002

For small torque (M2, M3, M4 screws)

Model	Drive	Code
SAV13 M2	M2 Hex. Int screw	4-7600502
SAV13 M3	M3 Hex. Int screw	4-7600503
SAV13 M4	M4 Hex. Int screw	4-7600504

Test joints for NST transducers

The test joints allow to simulate hard, semi elastic or elastic assembly. They take into account the rotation speed of the tool and simulate your assembly conditions for an optimized adjustment.

For small torque (M2, M3, M4 screws)

Model	Tool drive	Transducer connection	Code
SPEC-NST M2	M 2 Hex. Int screw	1/4"	4-7600200
SPEC-NST M3	M 3 Hex. Int screw	1/4"	4-7600201
SPEC-NST M4	M 4 Hex. Int screw	1/4"	4-7600202

Standard

Model	Tool drive	Transducer connection	Code
Test joint for NST 1/3/10	Male Hex. 1/4	1/4"	4-7660000
Test joint for NST 50	Hexagonal 19 mm A/F	3/8"	4-7660001
Test joint for NST 100/300	Hexagonal 24 mm A/F	1/2"	4-7660002
Test joint for NST 500	Hexagonal 36 mm A/F	3/4"	4-7660003
Test joint for NST 1000	Hexagonal 46 mm A/F	1"	4-7660004
Test joint for NST 3000	Hexagonal 55 mm A/F	1" 1/2	4-7660005

NST transducers connection cables

Model	Lenght	Plug	Code
EZ and TA	2 m	Male 5 pins Lumberg	4-3125000
MTA	2 m	Male 15 pins SubD	4-7600050

B transducers connection cables

Model	Lenght	Plug	Code
EZ and TA	2 m	Male 5 pins Lumberg	4-3130001
MTA*	2 m	Male 15 pins SubD	4-3130000

* ARCII chips activation - Code 4-7600113 not included

SB transducers connection cables

Model	Lenght	Plug	Code
TA SB	2 m	Male 5 pins Lumberg	4-3125002
MTA	2 m	Male 15 pins SubD	4-7600052