

# ACTA MT4 Torque Analyser

High quality in low-torque applications



# Smart technology for low-torque precision

*The new battery powered ACTA MT4 torque analyser is probably the most compact and flexible piece of torque measurement equipment on the market. It enables you to check torque with very high precision in low-torque assembly applications such as electronics and watch manufacturing. The ACTA MT4 offers data collection capability and equipment to process the results in SPC applications in a fully up-to-date environment.*



## Are your tools performing to specification?

To maintain high product quality in your plant and reduce assembly problems you must be sure that your assembly tools are performing according to specification.

With ACTA MT4 you can...

- Check torque accuracy of all types of screwdrivers.
- Handle your own factory calibration.
- Make machine capability studies.
- Create statistical reports.
- Investigate torque over angle or time and characteristics of a joint (joint analysis).

## A valuable quality tool

Using the new, flexible ACTA MT4, production managers can conduct torque checks on the assembly line, quality managers can check torque at the end of the line, and maintenance personnel can check torque in the tool crib. Joint Analysis software makes the ACTA MT4 a valuable lab tool for the engineering department during new product development projects.

## Battery powered – convenient to use

If you need precise measurement of low torque and don't want to waste workspace, ACTA MT4 is the perfect solution. Take this compact unit with its robust aluminum housing directly to your applications. Up to 1,000 results will be stored in the controller and the rechargeable battery lasts up to one day of operation. External power supply reduces space on your workbench.

## Easy set-up

The ACTA MT4 has a configurable colour display with an intuitive menu that is simple to use. Settings are: Result status, torque track, torque peak, angle, and graph.



ESD-approved



**POWERED BY  
A RECHARGEABLE  
BATTERY!**

Automatic transducer recognition is provided via ID-chip which selects the basic settings.

Performing 1,700 measurements/second, the ACTA MT4 makes sure that you catch the torque peak. You can choose from 16 different engineering units.

### **Works with all types of MT transducers**

In the ACTA MT4 torque analyser all parts are ESD approved. It offers plug-and-play connection to all types of MT transducers – static, handheld and rotary. Two transducers can be connected at the same time. The second sensor input makes the system ideal for joint analysis by overlaying torque over time or providing results in a recommended torque range from 0.004 Nm up to 5 Nm.

### **Smart technology that works for you**

The ACTA MT4 connects to a PC via USB, RS232 and Ethernet, ensuring that the data is stored in the right place.

Use stored data to create documentation that will minimize human error, eliminate paper handling and fulfill the requirements of external audits. Data reports can be tailored to customer request. The export function opens up endless opportunities such as using configurable Excel templates for statistics and analysis.

### **ToolsTalk MT Analysis**

Completing this convenient quality assurance package, the additional graphical software, ToolsTalk MT Analysis, enables you to perform professional joint analysis in real time.

### **ACTA MT4 – smart new features**

- Connect to PC via USB/RS232/Ethernet
- 16 different engineering units to choose from
- Colour configurable display (Torque/Angle/Status/Trace)
- Battery for portable usage
- Programmable via keypad or software "ToolsTalk ACTA MT"
- Dual transducer inputs
- High resolution OLED colour display
- Audio signal for operator feedback
- Digital I/O signals for communication with external devices such as PLC
- ESD grounding terminal

Model	Capacity		Overall length mm	Drive	VOH SA Ordering No.
	Ncm	In.lb			
Manual screwdriver torque transducer					
MT TH 1	1.0	0.09	115	Ø 3mm	17.00700
MT TH 2	2.0	0.18	115	Ø 3mm	17.00701
MT TH 5	5.0	0.44	115	Ø 3mm	17.00702
MT TH 10	10.0	0.88	115	Ø 3mm	17.00703
MT TH 20	20.0	1.77	115	1/4"	17.00704
MT TH 50	50.0	4.42	124	1/4"	17.00715
MT TH 100	100.0	8.85	124	1/4"	17.00716
MT TH 200	200.0	17.70	124	1/4"	17.00717
Static reaction torque transducer					
MT TS 1	1.0	0.09	81	Ø 3mm	17.00705
MT TS 2	2.0	0.18	81	Ø 3mm	17.00706
MT TS 5	5.0	0.44	81	Ø 3mm	17.00707
MT TS 10	10.0	0.88	81	Ø 3mm	17.00708
MT TS 20	20.0	1.77	81	Ø 3mm	17.00709
MT TS 50	50.0	4.42	98	1/4"	17.00710
MT TS 100	100.0	8.85	98	1/4"	17.00711
MT TS 200	200.0	17.70	98	1/4"	17.00712
MT TS 500	500.0	44.25	111	1/4"	17.00713
In-line rotary torque transducer					
MT TR 2	2.0	0.18	76	Ø 3mm	17.00718
MT TR 5	5.0	0.44	76	Ø 3mm	17.00719
MT TR 10	10.0	0.88	76	Ø 5mm	17.00720
MT TR 20	20.0	1.77	76	Ø 5mm	17.00721
MT TR 50	50.0	4.42	105	1/4"	17.00722
MT TR 100	100.0	8.85	105	1/4"	17.00723
MT TR 200	200.0	17.70	105	1/4"	17.00724
MT TR 500	500.0	44.25	105	1/4"	17.00725
In-line rotary torque and angle transducer					
MT TRA 2	2.0	0.18	76	Ø 3mm	17.00729
MT TRA 5	5.0	0.44	76	Ø 3mm	17.00730
MT TRA 10	10.0	0.88	76	Ø 5mm	17.00731
MT TRA 20	20.0	1.77	76	Ø 5mm	17.00732
MT TRA 50	50.0	4.42	105	1/4"	17.00733
MT TRA 100	100.0	8.85	105	1/4"	17.00734
MT TRA 200	200.0	17.70	105	1/4"	17.00735
MT TRA 500	500.0	44.25	105	1/4"	17.00736



MT TH



MT TS



MT TR



MT TRA



ACTA MT 4

Model	VOH SA Ordering No.
ACTA MT 4 (programmable over keypad)	17.01560
ToolsTalk MT Analysis (trace analysis)	17.01561
Transducer cable	17.00749
RS232 cable ACTA MT	17.00750