

# MicroTorque

# Transducers and Analyzer

## QUALITY ASSURANCE SYSTEM – SHARPENING YOUR COMPETITIVE EDGE

To ensure the highest quality of your fastening – and ultimately your company's products – Atlas Copco has developed a comprehensive quality assurance system for micro torques. The ACTA MT4 system provides fast, accurate and reliable measurement of critical parameters.

### ACTA MT4 – SMART FEATURES

- Connect to PC via USB/RS232/Ethernet.
- 6 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.
- Tool speed measurement function possible when using MT TRA transducers.
- Store and export tightening data to excel with ToolsTalk ACTA MT PC software.
- Calculate average torque directly on the display.



MT TRA 500



MT TH



ACTA MT 4



MT TS

Model	Capacity		Drive	Overall length mm	Ordering No.
	cNm	in lb			
<b>Torque Analyzer</b>					
ACTA MT 4 <sup>a</sup>					8432 0820 04
<b>Manual screwdriver torque transducer</b>					
MT TH 1	1.0	0.09	Ø 3 mm	115	8432 0820 10
MT TH 2	2.0	0.18	Ø 3 mm	115	8432 0820 11
MT TH 5	5.0	0.44	Ø 3 mm	115	8432 0820 12
MT TH 10	10.0	0.88	Ø 3 mm	115	8432 0820 13
MT TH 20	20.0	1.77	Ø 3 mm	115	8432 0820 14
MT TH 50	50.0	4.42	1/4"	124	8432 0820 15
MT TH 100	100.0	8.85	1/4"	124	8432 0820 16
MT TH 200	200.0	17.70	1/4"	124	8432 0820 17
<b>Stationary reaction torque transducer</b>					
MT TS 5	5.0	0.44	Ø 3 mm	81	8432 0820 20
MT TS 10	10.0	0.88	Ø 3 mm	81	8432 0820 21
MT TS 20	20.0	1.77	Ø 3 mm	81	8432 0820 22
MT TS 50	50.0	4.42	1/4"	98	8432 0820 23
MT TS 100	100.0	8.85	1/4"	98	8432 0820 24
MT TS 200	200.0	17.70	1/4"	98	8432 0820 25
MT TS 500	500.0	44.25	1/4"	111	8432 0820 52
<b>In-line rotary torque and angle transducer</b>					
MT TRA 5	5.0	0.44	Ø 3 mm	76	8432 0820 42
MT TRA 10	10.0	0.88	Ø 5 mm	76	8432 0820 43
MT TRA 20	20.0	1.77	Ø 5 mm	76	8432 0820 44
MT TRA 50	50.0	4.42	1/4"	105	8432 0820 45
MT TRA 100	100.0	8.85	1/4"	105	8432 0820 46
MT TRA 200	200.0	17.70	1/4"	105	8432 0820 47
MT TRA 500	500.0	44.25	1/4"	105	8432 0820 48

<sup>a</sup> ToolsTalk ACTA MT (programming software) included.

**CABLES**

Model	Ordering No.
Transducer cable	8432 0830 35
RS232 cable ACTA MT	8432 0831 39

**TEST JOINTS FOR CALIBRATION WITH MT TS**

Model	Designation	Range cNm	Drive	Screw head profile	Ordering No.
Test joint	M6 Soft joint	500 - 1000	1/4" HEX	HEX 5 mm	8432 0833 62
	M6 Soft joint	200 - 500	1/4" HEX	HEX 5 mm	8432 0833 61
	M4 Soft joint	27 - 200	1/4" HEX	HEX 3 mm	8432 0833 60
	M3 Soft joint	5 - 27	1/4" HEX	HEX 3 mm	8432 0833 59
	M3 Soft joint	5 - 27	Ø 3 mm	HEX 3 mm	8432 0833 58
	M2 Soft joint	0 - 10	1/4" HEX	HEX 1.5 mm	8432 0833 57
	M2 Soft joint	0 - 10	Ø 3 mm	HEX 1.5 mm	8432 0833 56
	M6 Hard joint	200 - 1000	1/4" HEX	HEX 5 mm	8432 0833 55
	M4 Hard joint	27 - 200	1/4" HEX	HEX 3 mm	8432 0833 54
	M3 Hard joint	5 - 27	1/4" HEX	HEX 3 mm	8432 0833 53
	M3 Hard joint	5 - 27	Ø 3 mm	HEX 3 mm	8432 0833 52
	M2 Hard joint	0 - 10	1/4" HEX	HEX 1.5 mm	8432 0833 51
	M2 Hard joint	0 - 10	Ø 3 mm	HEX 1.5 mm	8432 0833 50