



- 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



FSA2-FSA10

FSA series

CAP TORQUE TESTER

Opening jar torque measurement:

CAP TORQUE TESTERS FSA series

Cap torque testers FSA series are designed for measuring torque during opening jar, bottles etc..

Tester is equipped with a wide range clamp to measure variety of objects. Measurement processor enables to register maximal force torque needed for example to open a jar.

Torque measurement can be realized in both directions, measurement time course registration and graph is possible. Clamp has a solid, universal construction that enables adaptation and expansion. Thus FSA can be used in complex measurement systems.

Measurements results are stored in tester memory:

- in manual mode (used for static measurements)
- in automatic mode (used for dynamic measurements)

Standard tester is equipped with a rich variety of special functions: measurement unit choice, autozeroing, comparison with threshold values Min/OK/Max, statistical calculations, graphs, battery charging control and others.

The USB interface enables to connect a computer, RS232C to connect computer or printer.

IN/OUT interfaces are used to automate measurements.

A wide range of printout configurations ensures that GLP procedure requirements are met.

Options on demand:

- software: presentation and archivisation of measurements
- transoptor out (threshold function)



Step 1: Mount jar into clamp



Step 2: Unscrew jar lid



Step 3: Readout result indication

Technical data			
Meter type	FSA2	FSA5	FSA10
Torque range	2Nm	5Nm	10Nm
(mass)	(~0,2kgfm)	(~0,5kgfm)	(~1kgfm)
Readout unit (d)	0,001Nm	0,001Nm	0,01Nm
Accuracy		±0,5% F.S.	
Maximal overload		±150% F.S.	
Working temperature		-10 ÷ +40°C	
Units		Nm, Ncm, kgfm, lbf·in, gfm	
Measurement speed		up to 1000	
Measurements memory		measurements/s	
		8x800 measurements	
Measurement functions	maximal value measurement, series measurement, dynamical measurement		
Interfaces	RS232C, USB options: WY (threshold function)		
Display	LCD graphical		
Supply	feeder ~230V 50Hz / 12V; 1,2A ; internal accumulator 4xAA		
Range of samples diameters	ø20 ø180mm		
Dimensions	345x236x160mm		
Weight	5,1kg		

Distributor: