

Cap Torque Meters

DTX2 Series

Torque meter – table design –
with output signal and memory

For checking the cap torque of bottles, glas jars, cans etc. in the food-, pharmaceutical and beverage industry.

Special features:

- + Display of opening or close torque
- + **Two selectable modes:** *Real Time*: to display load transients
Peak Mode: to capture the peak force achieved during a test
- + Selectable units: Nm, kgfm, lb.in or Ncm, kgfcm, lb.in
- + High internal sampling rate
- + Clamps containers from Ø 20 to 180mm (smaller Ø on request)
- + Programmable high/low setpoints for go/no-go testing with color-coded indicators (orange, green, red) in the LED display and relais outputs
- + Storage of 1000 values, which can be recalled on the display or downloaded to a PC
- + Output signals (RS 232, analog) and Mitutoyo Digimatic
- + **2 versions:**
 - DTX2A mains operated
 - DTX2B rechargeable battery and /or AC adapter



Accessories see page B8

Available Models

Model for mains use only	Model for battery and mains use	Capacity	Resolution
DTX2A-2*	DTX2B-2*	0 - 2.000 Nm	0.001 Nm
DTX2A-5*	DTX2B-5*	0 - 5.000 Nm	0.001 Nm
DTX2A-10*	DTX2B-10*	0 - 10.00 Nm	0.01 Nm

Specifications

Series DTX2

Accuracy:	± 0.5 % FS* ± 1 digit
Sampling rate:	1000 times/s
Selectable units:	Nm, kgfm, lb.in or Ncm, kgfcm, lb.in
Display:	4 digit, 14 mm high
Overload capacity:	150 % FS* (flashing LED beyond 110% FS*) open collector output signal
Zero adjustment:	10 % FS*
A/D Converter:	24 bit
Memory:	non-volatile, recall up to 1000 loads recalls both Peaks, open and close torque
Setpoints:	Min, Max (programmable), with output signal

Output signal:	RS232C (8, 1, N, 19200), analog ± 2V DC, Open collector 4x (+NG, Ok, -NG, OVL), max. 30V DC, 10mA, Mitutoyo Digimatic
Temperature range:	5 - 40 °C
Air humidity:	85 % RH, max.
Power supply:	DTX2A: 100V ... 240V AC, 50Hz DTX2B: Rechargeable NiMH battery pack (approx. 8 hours continuous use) and /or 230V AC adapter
Housing dimensions:	324 x 210 x 130 mm (LxWxH)
Weight, net (gross):	DTX2A: ca. 4900g (ca. 5900g) DTX2B: ca. 4600g (ca. 5600g)

*All models are also available with units Ncm, e.g.:
Model DTX2A-2 NC, capacity 0-200.0 Ncm, resolution 0.1 Ncm

Delivery includes: Torque meter,
1 set of chuck pins 25 mm long, manual,
manufacturer's calibration report

* FS = Full Scale