

MTG Series

More precise measurement by stabilizing the measuring speed.

Various functions broaden the possibility of various measurement.



[Use]

- Measurement of screw-cap of cosmetics and food/drink bottles
- Measurement of resistance of turning shaft.

[Features]

- Easy to operate
- Precise measurement by stabilizing the measuring speed.
- Emergency stop works to avoid break down when the torque exceeds capacity.*1
- It stops putting torque at the set value. (Mode of “+NG stop”)
- It repeats the operation (open-close) within the set value (Mode of “Endurance test”)
- Make a graph of torque-time. (optional software is needed.*2)

*1 It does not completely guarantee not to avoid the break down.

*2 Optional software: ZP-Recorder

*3 We customize the product depending on the height and diameter of the sample.

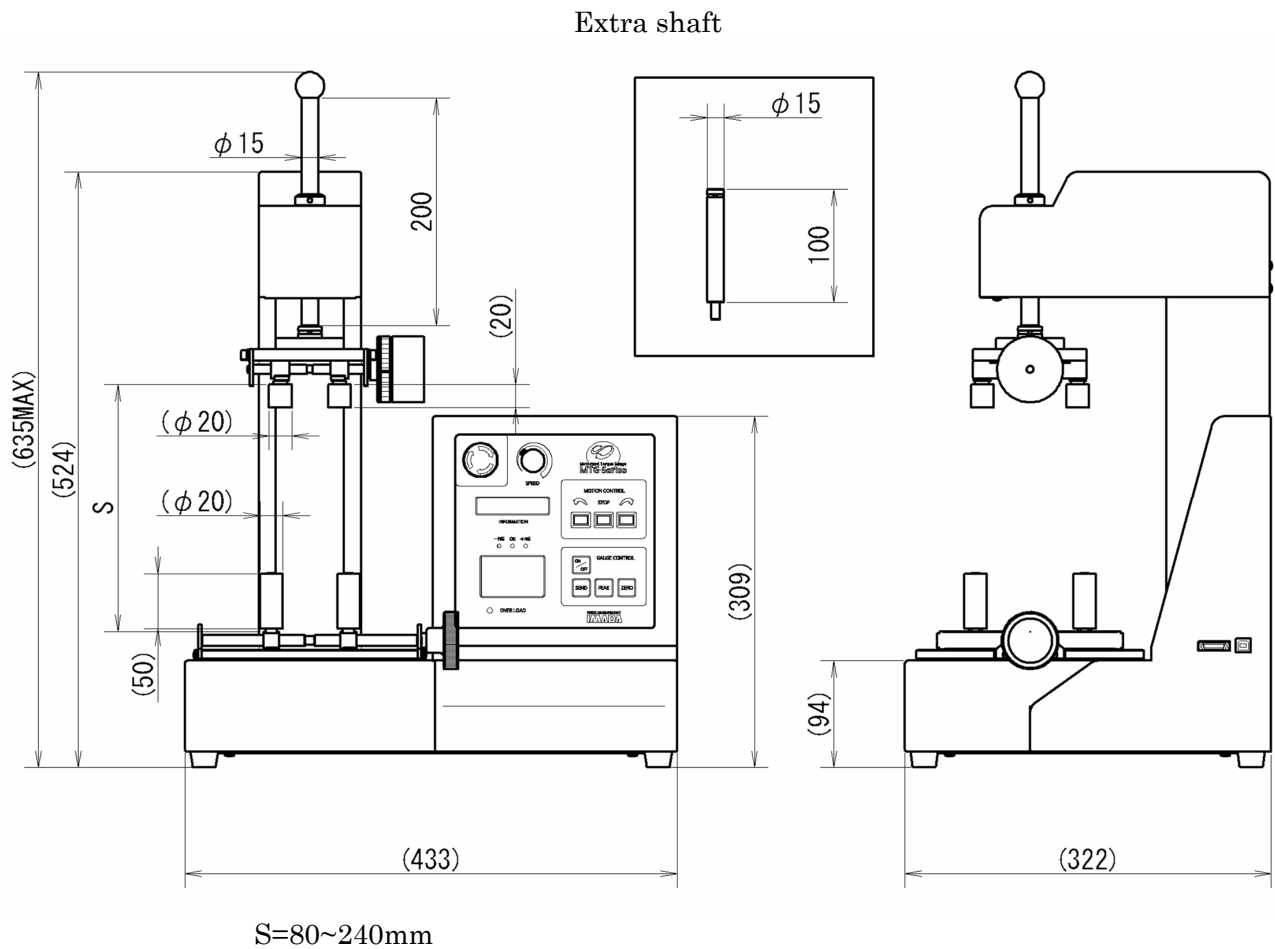
[Models]

Models	Max range	Display	Threshold
MTG - 2N	2N·m	2.000N·m	0.001N·m
MTG - 5N	5N·m	5.000N·m	0.001N·m
MTG - 10N	10N·m	10.00N·m	0.01N·m
MTG - 200Nc	200N·cm	200.0N·cm	0.1N·cm
MTG - 500Nc	500N·cm	500.0N·cm	0.1N·cm
MTG - 1000Nc	1000N·cm	1000N·cm	1N·cm

[Specifications]

Item	Contents	
Unit	N·m or N·cm	
Display	Sensor	4digits LCD with sign. Unit. Mode. Warning LED. Comparator LED.
	Information	16letters x 2 rows
Measuring Speed	3~90 degrees/sec	
Display Update	10times/sec	
Capacity	Approx. 150% of the max range. (LED blinks and buzzer works when the torque exceeds 110% of the range)	
Sampling Speed	1000 times/sec	
Sample Diameter	Cap	Diameter 20~90mm
	Table	Diameter 20~180mm
Height of Sample	80~240mm	
Accuracy	-0.5%~+0.5% Full Scale., -1~+1 digit	
Condition	0~+40 degrees Celsius, 20~80 %RH	
Power	AC100V~240V Free input	
Output	USB, Serial(RS232C), Analog (Approx. -2~+2V)	
External Input Terminal	Zero Clear, Peak/ Track changeable, Memory/Data output	
Mode	Normal	Turns to one way, stops by stop button.
	*NG stop	Stops when the torque exceeds the set value with comparator function.
	Endurance test	Repeats the operation with comparator function. (It counts the operation.)
Weight	Approx. 17kg	

[Dimension]



[Caution]

- Do not put torque more than the capacity and impulse to the measuring shaft, regardless ON/OFF.
- Avoid immediate temperature change and hot, humid, wet and dusty place.
- The contents may change without notice.