

Build-in Use Model Mechanical Force Gauge UKT/UKK series

Ideal for build-in equipment due to the compact design.
UKT for tension test and UKK for compression test.
Shows real time value and peak value simultaneously with memory pointer.
Capable to delete the attachment's weight by rotating the tare ring.
Rugged design and no need for electricity.



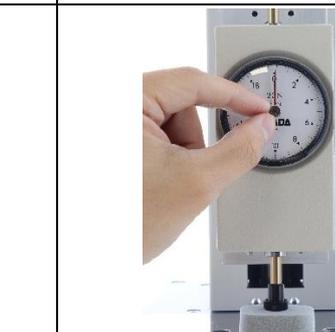
UKT-100N



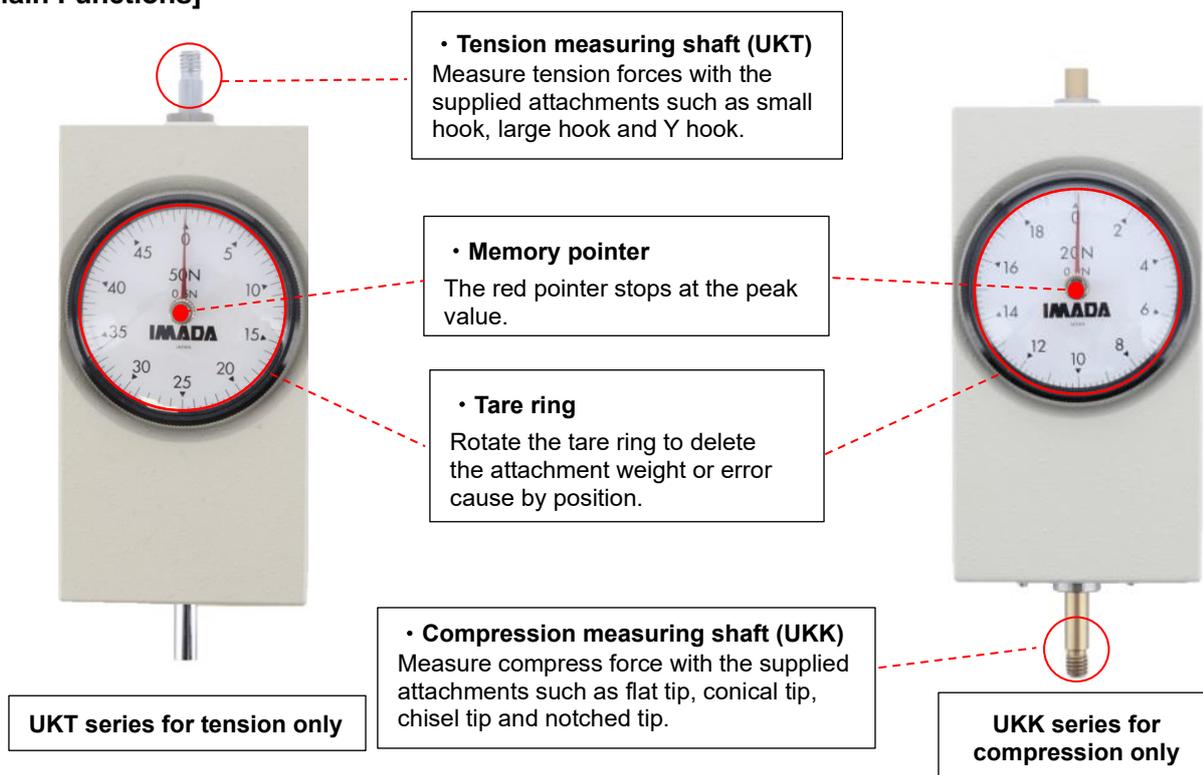
UKK standard set



UKT standard set

Testing images		
Fix the force gauge and start measurement.	The red pointer holds at the peak value.	Turn the center screw to adjust the red pointer back to zero.
		

[Main Functions]



Specifications		
Model	UKT	UKK
Stroke	10mm	
Measuring units	See [Model lists]	
Reading method	Real time/Peak hold (Memory pointer type)	
Scales *1	100 lines	
Accuracy	±0.3%F. S or less	
Operating environment	0~+40°C	
Dimension	See [Dimension]	
Weight *2	Approx. 300g	
Standard accessories	4 pcs of tension attachments, Instruction manual, Carry case, Inspection certificate etc.	5 pcs of compression attachments, Instruction manual, Carry case, Inspection certificate etc.

* It is not suitable for breaking test with large impact or test with continues vibration due to its spring structures.

*1 120 lines for 30N, 300N, 3K, 30K, 30lb.

*2 The weight is depending on the range.

Standard tension attachments for UKT			
Small hook A-1(S-1)	Extension shaft A-6(S-6)	Large hook A-7(S-7)	Y hook A-8(S-8)
			

* Force gauges with capacities from 100N or less come with aluminum made attachments (A-type), 200N to 1000N come with steel made attachments (S-type).

Standard compression attachments for UKK				
Flat tip A-2(S-2)	Conical tip A-3(S-3)	Chisel tip A-4(S-4)	Notched tip A-5(S-5)	Extension shaft A-6(S-6)
				

* Force gauges with capacities from 100N or less come with aluminum made attachments (A-type), 200N to 1000N come with steel made attachments (S-type).

Model lists (N unit)						
Model		Capacity	Resolution	Thread	Standard attachments	
					UKT	UKK
UKT-20N	UKK-20N	20N	0.2N	M6	A-1, A-6	A-2~A-6
UKT-30N	UKK-30N	30N	0.25N		A-7, A-8	
UKT-50N	UKK-50N	50N	0.5N			
UKT-100N	UKK-100N	100N	1N			
UKT-200N	UKK-200N	200N	2N		S-1, S-6	S-2~S-6
UKT-300N	UKK-300N	300N	2.5N		S-7, S-8	

International model (kgf unit) *						
Model		Capacity	Resolution	Thread	Standard attachments	
					UKT	UKK
UKT-2K	UKK-2K	2kgf	20gf	M6	A-1, A-6	A-2~A-6
UKT-3K	UKK-3K	3kgf	25gf		A-7, A-8	
UKT-5K	UKK-5K	5kgf	50gf			
UKT-10K	UKK-10K	10kgf	100gf			
UKT-20K	UKK-20K	20kgf	200gf		S-1, S-6	S-2~S-6
UKT-30K	UKK-30K	30kgf	250gf		S-7, S-8	

* International models are not able to sell in Japan due to the Measurement Act.

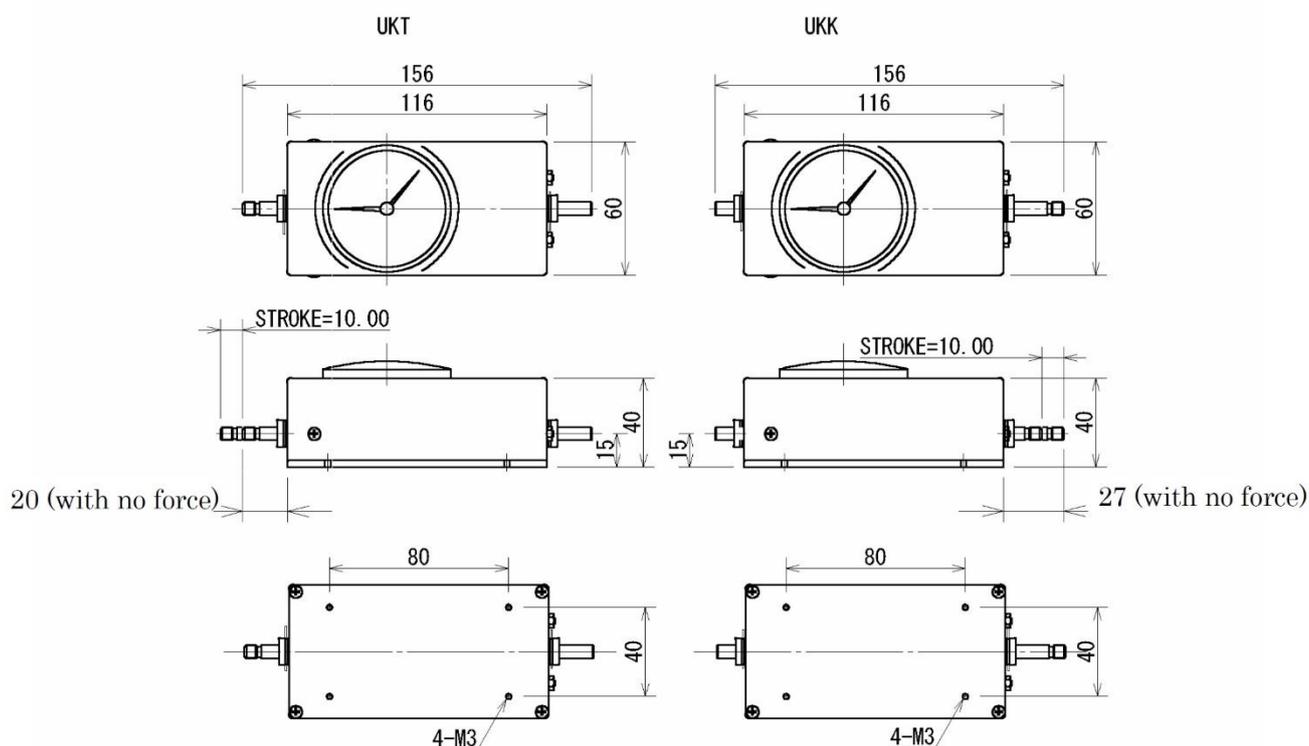
International model (lbf unit) *						
Model		Capacity	Resolution	Thread	Standard attachments	
					UKT	UKK
UKT-5lb	UKK-5lb	5lbf	0.05lbf	M6	A-1, A-6	A-2~A-6
UKT-10lb	UKK-10lb	10lbf	0.1lbf		A-7, A-8	
UKT-20lb	UKK-20lb	20lbf	0.2lbf		S-1, S-6	S-2~S-6
UKT-30lb	UKK-30lb	30lbf	0.25lbf			
UKT-50lb	UKK-50lb	50lbf	0.5lbf			

* International models are not able to sell in Japan due to the Measurement Act.

Related products			
Economical type Mechanical force gauge FB/FS series	Standard type Mechanical force gauge PS/PSS series	Separated Sensor Model Digital Force Gauge ZT series	Sensor Interchangeable Indicator eZT
			
Price saving push pull gauges with high accuracy. Available in capacity from 10N to 500N.	Standard model of push pull gauges with high accuracy and durability. Available in capacity from 5N to 500N.	Indicator for hand use can be used in various testing environments with high accuracy and repeatability.	Indicator for eZ Connect series load cells and no need of adjustment when change load cell.

* Refer to specifications of the individual product for details.

[Dimension]



Unit: mm

[Calibration certificate & ISO 17025 calibration services]

- As an option, we offer calibration certificates and traceability charts with extra charges. Moreover, we can offer calibration services according to ISO/IEC17025: 2005. Contact us for details.

[Cautions]

- Information in this document is subject to change without prior notice.
- This document is product descriptions and handling precautions, and do not guarantee various characteristics or safety.
- This product is designed for force measurement purpose only.
- Do not copy and use this content without authorization.
- Do not apply force more than its capacity or from incorrect direction to the measuring shaft.
- Do not use this product in the environments including fierce temperature changes, high temperature, high humidity, near water, dusty place.

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