

Build-in Linear Scale DMK series

Linear scale unit for digital force gauge ZTA series.

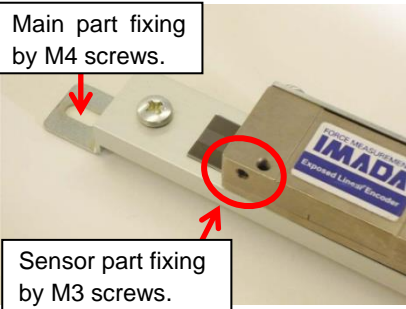

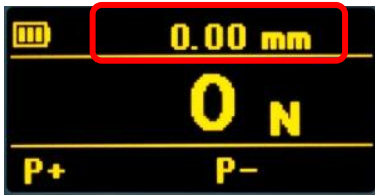
Enables the force-displacement testing by integrating into facilities.

4 models with different strokes are available.

Offer custom-made length to meet your needs.



DMK-100

Installation for testing		
 <p>Main part fixing by M4 screws.</p> <p>Sensor part fixing by M3 screws.</p>		
<p>Fix the main part with M4 screws, and fix the sensor part with M3 screws(*1).</p>	<p>Easy to connect with force gauge.</p>	<p>Displacement is shown on a force gauge display.</p>






*1 M3 screws are not included.

Specifications				
Model	DMK-100	DMK-300	DMK-500	DMK-800
Accuracy*1	±0.03mm			
Stroke	Max. 100mm	Max. 300mm	Max. 500mm	Max. 800mm
Dimension	See [Dimensions]			
Main part fixing screws	M4			
Sensor part fixing screws *2	M3			
Accessories	M4×6mm screws(2pcs), instruction manual, warranty			

* 37 pin connector cable and cable without connector are available for select.

*1 The individual accuracy of DMK series. It could be changed by the equipment error or how to mount the scale.

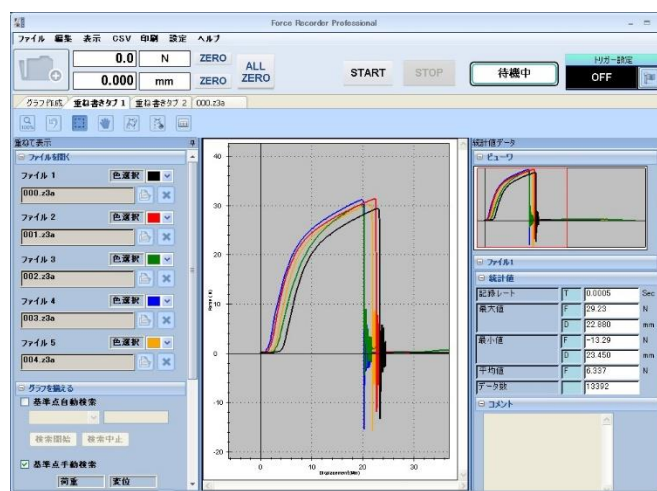
*2 M3 screws are not included.

Mountable Force Gauge		
Digital force gauge ZTA series	High capacity model ZTA series	Separate sensor model ZTA series
Digital force gauge with high precision, featuring high sampling rate and a variety of useful functions.	Digital force gauge with high precision, featuring high sampling rate and a variety of useful functions.	Digital force gauge with separated external sensor. Ideal for testing at a difficult place.
		
Sensor Interchangeable Amplifier eZT series	Desktop Amplifier FA Plus2	
Indicator for eZ Connect series load cells and no need of adjustment when change load cell.	Ideal for integration into facilities due to the box-shaped design. Easy to combine with external devices such as PLC using the equipped output functions.	
		

* Please refer to specifications of the individual products for details.

[Related products]

Graphing Software: Force Recorder Professional

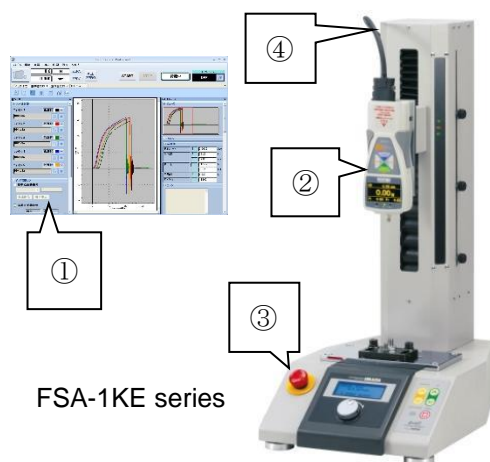


Main functions

- You can make graphs of force-displacement at real time via USB connection at 2000Hz.
- 5 graphs at maximum can be overlaid.
- You can write memo on each graph. You may write down testing conditions such as testing speed.

* Please refer to each specification for further information.

Force-Displacement Analysis Unit FSA series



FSA-1KE series

Unit to draw force-displacement curve.

Unit Configuration

1. Software Force Recorder (Professional)
2. Digital force gauge ZTA series
3. Test stand with a linear scale
4. Cable

* Please refer to FSA series specifications for more details.

Cable with Terminal Block CTB-A



Allows for connection with linear scale and external equipment such as PLC at the same time.

* Enables to connect the DMK series and external equipment at the same time, kindly choose loose wire specification.

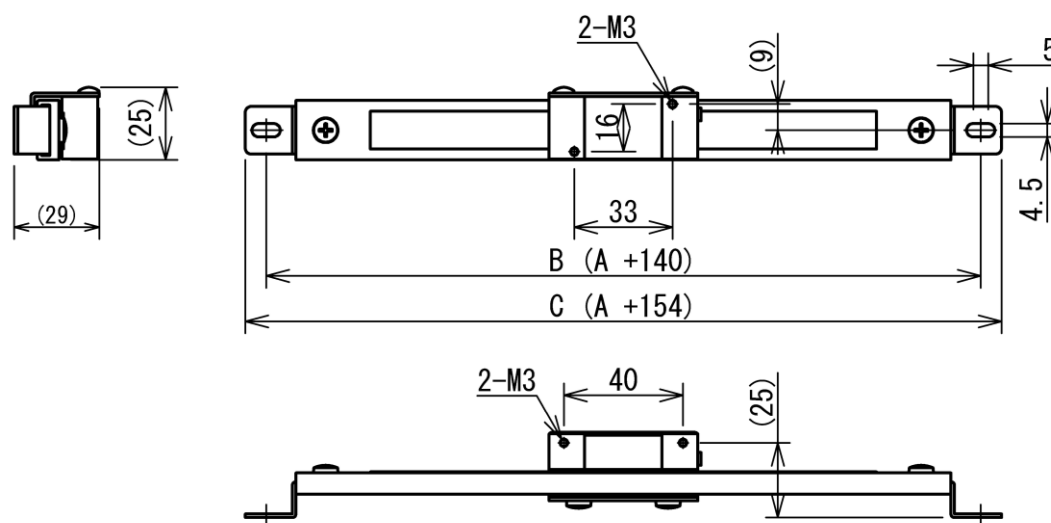
[Custom-made] Custom-made length is available

Requirement (Example)	Model	Stroke(A)	Fixing length(B)	Full length(C)
200mm stroke	DMK-200	200mm	340mm	354mm
200mm fixing length	DMK-60	60mm	200mm	214mm

* Stroke can be extended up to 1000mm.

* Please refer to [Dimension] for further details.

[Dimension]



Unit: mm

	DMK-100	DMK-300	DMK-500	DMK-800
Stroke A(mm)	100	300	500	800
Fixing length B(mm)	240	440	640	940
Full length C(mm)	254	454	654	954

[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.
- A force gauge (sold separately) is required to use this product.
- Some samples may not be suitable to measure with this product.
- Please note that check the force gauge setup and validation by a measurement unit like calipers and block gauges before use.

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