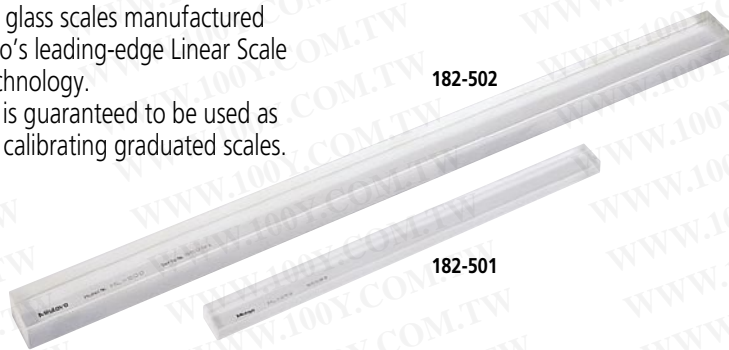


# Standard Scales

## SERIES 182 — Made of Low Expansion Glass

### FEATURES

- High precision glass scales manufactured under Mitutoyo's leading-edge Linear Scale production technology.
- High accuracy is guaranteed to be used as a standard for calibrating graduated scales.

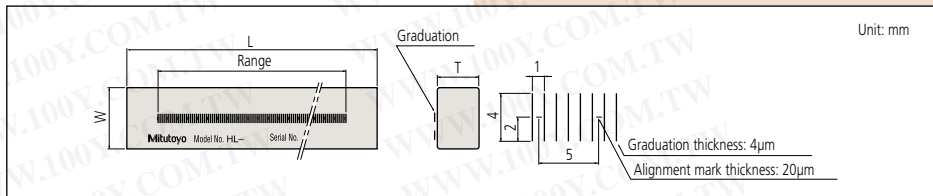


### SPECIFICATIONS

Metric					
Range	Order No.	L	W	T	
250mm	182-501-50	280mm	20mm	10mm	
250mm	182-501-60	280mm	20mm	10mm	
500mm	182-502-50	530mm	30mm	20mm	
500mm	182-502-60*	530mm	30mm	20mm	

\*with English JCSS certificate.

### DIMENSION



勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



(Refer to the page 9 for details.)

### Technical Data

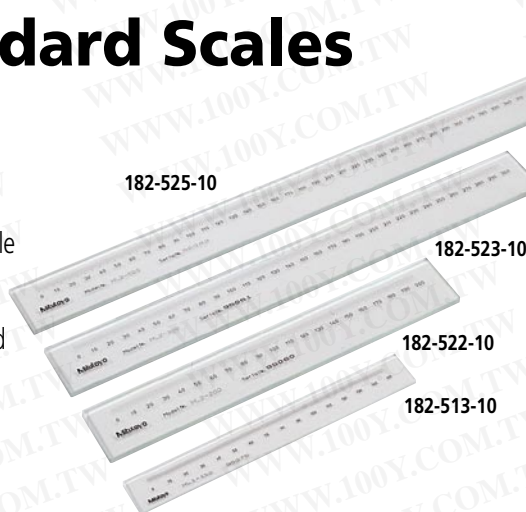
Accuracy (at 20°C):  $(0.5+L/1000)\mu\text{m}$ ,  
 L = Measured length (mm)  
 Glass material: Low expansion glass  
 Thermal expansion coefficient:  $(0.00\pm 0.02)\times 10^{-6}/\text{K}$   
 Graduation: 1mm  
 Graduation thickness: 4mm  
 Mass: 0.75kg (250mm), 1.8kg (500mm)

# Working Standard Scales

## SERIES 182

### FEATURES

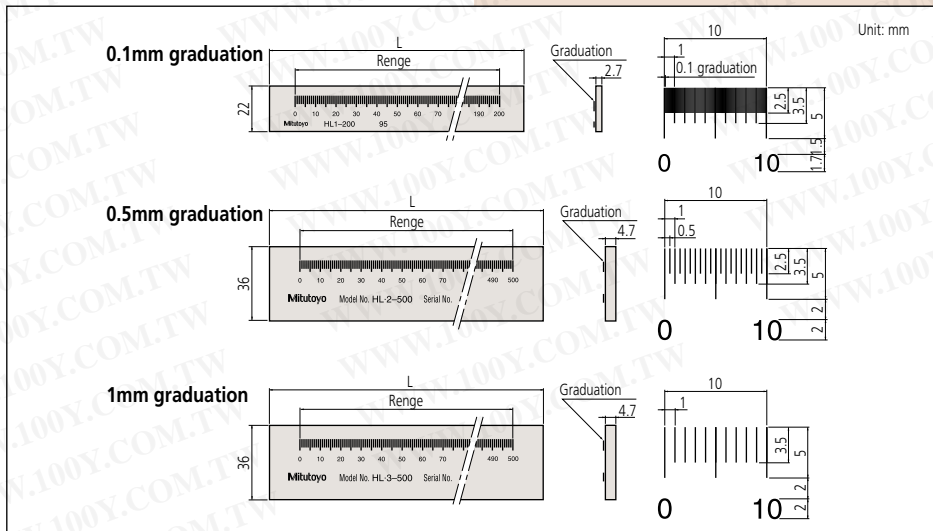
- High precision glass scales manufactured under Mitutoyo's leading-edge Linear Scale production technology.
- Ideal for checking magnification accuracy of profile projectors and microscopes, and the table feeding accuracy of measuring equipment.



### SPECIFICATIONS

Metric				
Range	Order No.	Graduation	L	Mass
50mm	182-511-10	0.1mm	75mm	0.23kg
100mm	182-512-10	0.1mm	125mm	0.24kg
150mm	182-513-10	0.1mm	175mm	0.35kg
200mm	182-514-10	0.1mm	225mm	0.36kg
100mm	182-521-10	0.5mm	130mm	0.27kg
200mm	182-522-10	0.5mm	230mm	0.32kg
300mm	182-523-10	0.5mm	330mm	0.57kg
400mm	182-524-10	0.5mm	430mm	0.71kg
500mm	182-525-10	0.5mm	530mm	0.86kg
250mm	182-531-10	1mm	280mm	0.55kg
500mm	182-532-10	1mm	530mm	0.86kg
750mm	182-533-10	1mm	780mm	1.22kg
1000mm	182-534-10	1mm	1030mm	1.54kg

### DIMENSION



(Refer to the page 9 for details.)

### Technical Data

Accuracy (at 20°C):  $(1.5+2L/1000)\mu\text{m}$ ,  
 L = Measured length (mm)  
 Glass material: Sodium glass  
 Thermal expansion coefficient:  $(8\pm 1)\times 10^{-6}/\text{K}$   
 Graduation: 0.1mm (thickness: 20μm)  
 0.5mm (thickness: 50μm)  
 1mm (thickness: 100μm)  
 Mass: Refer to the list of specifications.