

# SR-801 SR-801R

Scale with a long measuring length for medium to large size machine tools

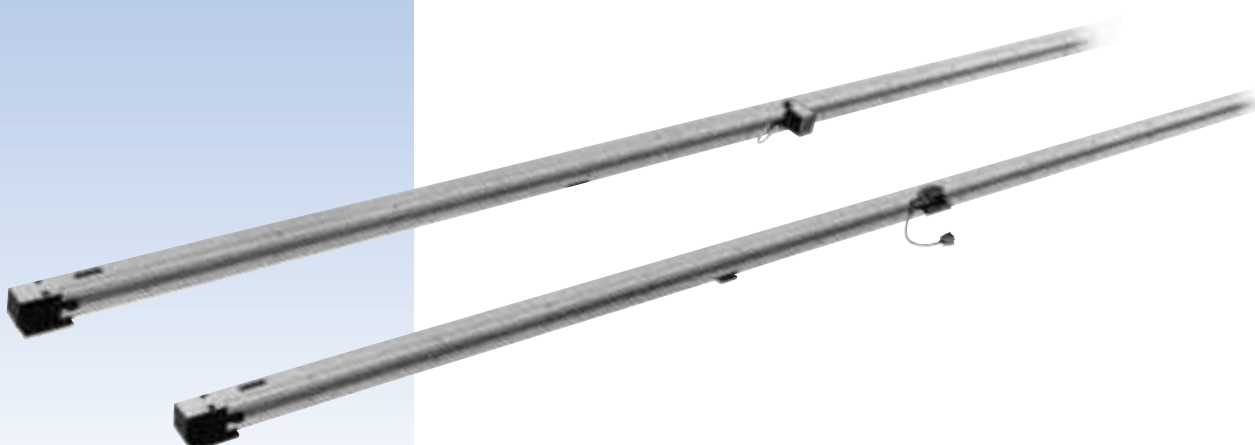
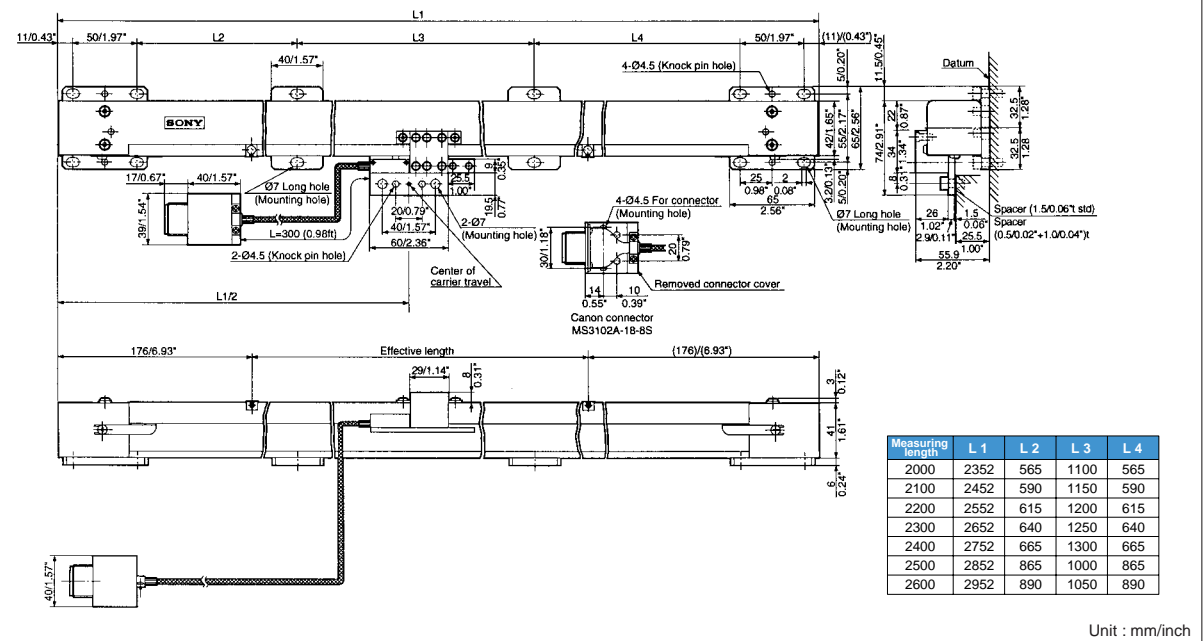
- Magnetic principle
- Excellent resistance to workshop conditions (IP54). Resistant to oil, dirt, vibrations and shocks.
- Accuracy:  $\pm (2.5 + 2.5L / 1000) \mu\text{m}$  (L= measuring length in mm)
- Resolution: 0.5  $\mu\text{m}$
- Measuring length up to 3000 mm / 118.1"
- Built-in zero point (SR-801R)

## Specifications

Model	SR-801	SR-801R
Measuring length L mm (inch)	2000/2200/2300/2400/2500/2600/2700/2800/2900/3000 (78.7/86.6/90.5/94.4/98.4/102.3/106.2/110.2/114.1/118.1)	
Overall length	L + 352 mm/ 13.9"	
Max. travel	L + 90 mm/ 3.54"	
Accuracy (at 20 °C / 68 °F)	$\pm (2.5 + 2.5L / 1000) \mu\text{m}$	
Resolution	0.5 $\mu\text{m}$	
Zero point	—	In the center
Max. response speed	60 m/ min	
Mounting parallelism	Within 0.1 mm/ 0.004"	
Expansion coefficient	$(11 \pm 1) \times 10^{-6} / ^\circ\text{C}$	
Protective design grade	Equivalent to IP 54	
Operating temperature	-5 °C to 40 °C / 23 °F to 104 °F	
Storage temperature	-10 °C to 50 °C / 14 °F to 122 °F	
Head cable length	300 mm/ 11.8"	

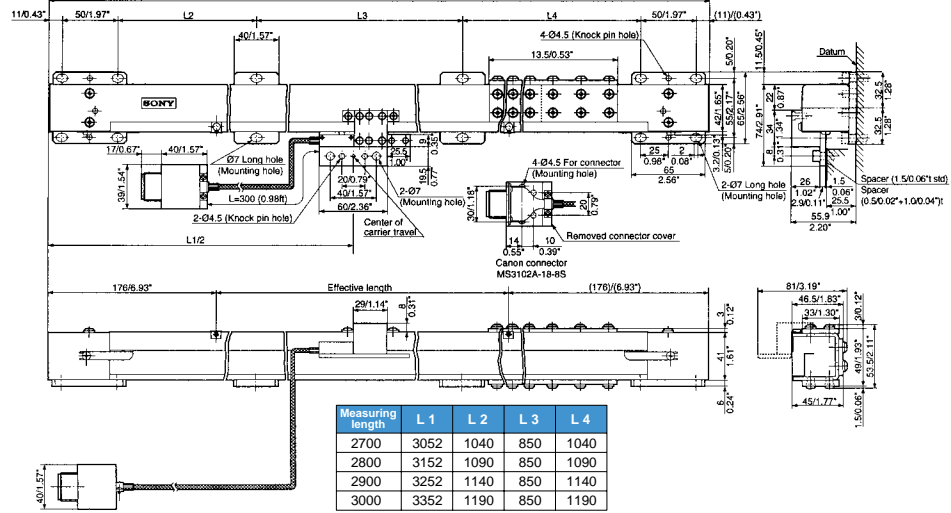
## Dimensions

SR-801 (Measuring length 2000 mm/78.7" to 2600 mm/102.3")



## Dimensions

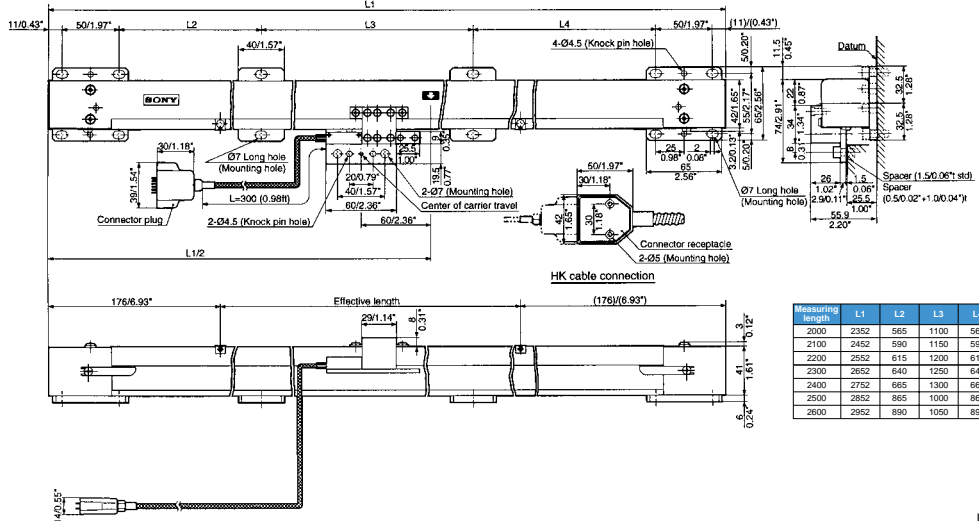
### SR-801 (Measuring length 2700 mm/106.2" to 3000 mm/118.1")



Unit : mm/inch

## Dimensions

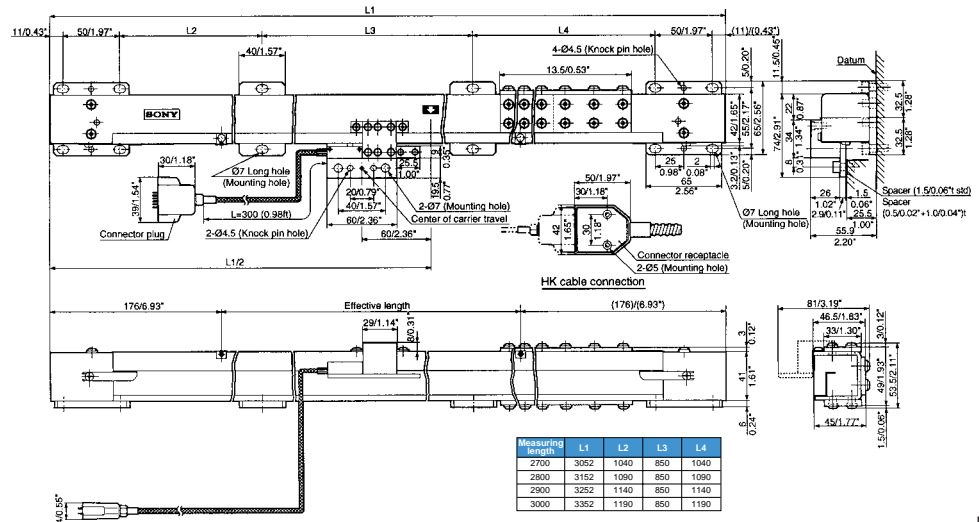
### SR-801R (Measuring length 2000 mm/78.7" to 2600 mm/102.3")



Unit : mm/inch

## Dimensions

### SR-801R (Measuring length 2700 mm/106.2" to 3000 mm/118.1")



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