SJ

SJ700A SERIES

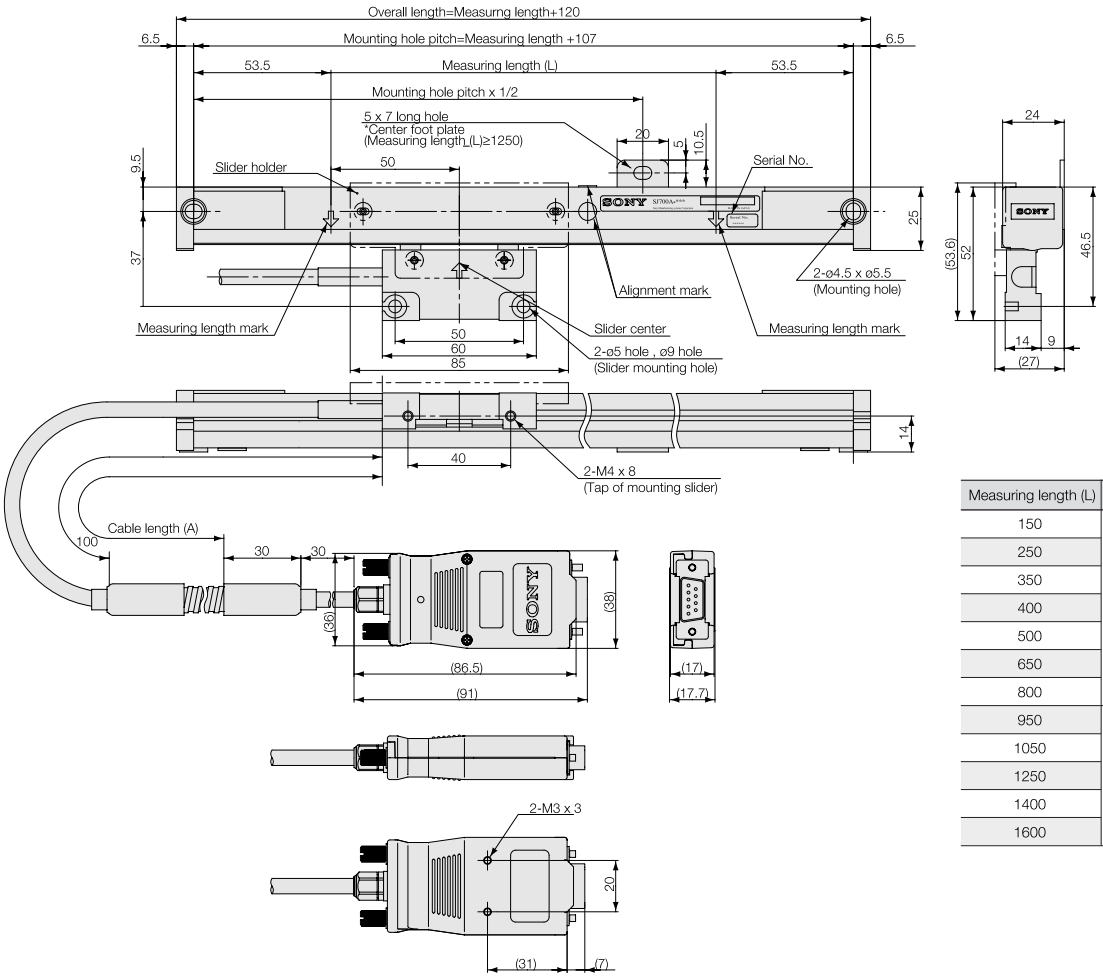
SJ700A series is semi-modular and includes a built-in interpolator

- Magnetic based encoder
- Excellent resistance to workshop conditions
- Same coefficient of expansion as that of machine tools
- Measuring length: 150 mm to 1600 mm / 5.9" to 62.9"
- Accuracy: ± 10 µm, ± 15 µm
- Resolution: 5 µm

Scale	Counter
SJ700A	LH70/71,LY71/72 LG20

MILLMAN®

Dimensions



Measuring length (L)	Cable length (A)
150	3000
250	
350	
400	
500	
650	
800	
950	5000
1050	
1250	
1400	
1600	

Unit : mm/inch

Specifications

Model	SJ700A
Measuring length L:mm(inch)	150 (5.9"), 250 (9.8"), 350 (13.7"),400 (15.7"), 500 (19.6"), 650 (25.5"),800 (31.5"), 950 (37.4"),1050 (41.3"), 1250 (49.2"),1400 (55.1"), 1600 (62.9")
Overall length	Measuring length + 120 (4.73")
Maximum travel	Measuring length + 20 (0.78")(10 (0.39") each at right and left)
Scale accuracy (at 20°C/68°F)	±10 µm (Measuring length 1250 (49.21") or less) ±15 µm (Measuring length 1400 (55.12") or more)
Thermal expansion coefficient	(12 ±1) x 10^{-6}/°C
Cable length	3 m (9.8 ft) (SJ700A-015 to 080),5 m (16.4 ft) (SJ700A-095 to 160)
Operating temperature	0 to + 40°C (+ 32 to + 104°F)
Storage temperature	-20 to + 60°C (4 to + 140°F)
Operating humidity	Condensation allowed
Storage humidity	90 %