

Scale Unit

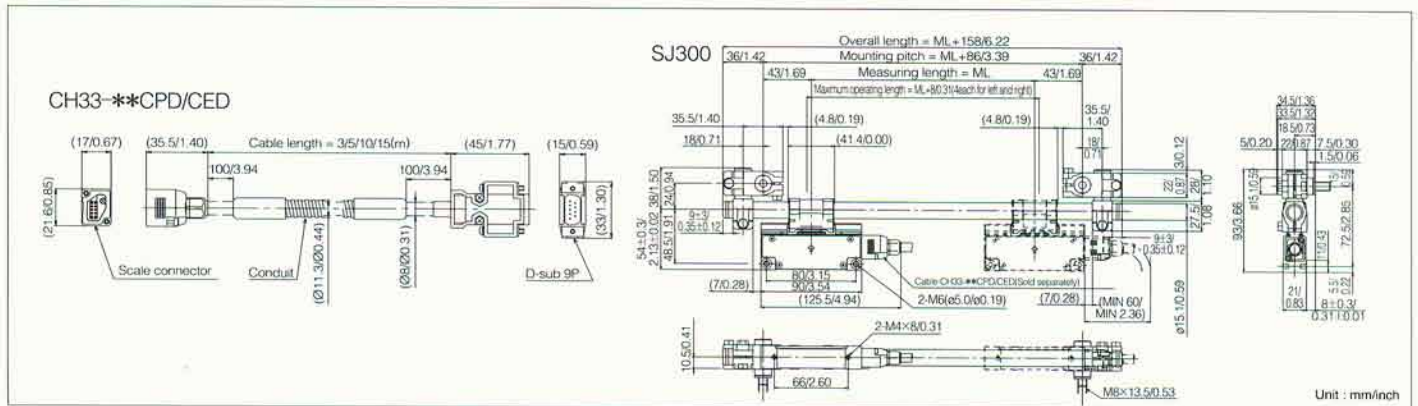
SJ300 SERIES

Sony's legendary Magnescale technology has been improved!



- Flexible Reader Head mounting provides wider installation tolerances and less installation time.
- Excellent resistance to workshop conditions (IP64)
- Classic Sony Magnescale benefits: No cleaning or maintenance, and no scratched or broken glass.
- No machined surface or backer bar required.
- Reader Head Status lamp provides visual signal status.
- Scale mounting brackets slide and rotate to accommodate a wide range of installation configurations.
- Removable cable for easy replacement.

Outer dimensions



Scale specifications:

Model name	SJ300-005 to SJ300-220	
Item		
Measuring length ML(mm)	50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 750, 800, 850, 950, 1050, 1250, 1400, 1600, 1850, 2050, 2200	
Overall length	L + 158mm	
Accuracy(20°C)	±10µm/m	
Resolution	1µm	
Max. response speed	60m/min	
Output signal	A/B Quadrature (compliant with EIA-422)	
Min. output phase difference	200ns	
Expansion coefficient	(17±1)×10 ⁻⁶ /°C	
Status lamp functions	Low Scale signal / Low power supply voltage	
Max. cable length	15m	
Power supply voltage	5V±5%	
Power consumption	2.5W or less(With load)	
Operating temperature	0 to 45°C	
Storage temperature	-20 to 60°C	
Vibration resistance	20m/s ² , 50Hz to 2kHz	
Shock resistance	600m/s ² , 11mm/s	
Protective design grade	IP64(Or equivalent)	

Cable specifications

Model name	CH33-							
Item	03CPD	05CPD	10CPD	15CPD	03CED	05CED	10CED	15CED
Cable length L(m)	3	5	10	15	3	5	10	15
Cable sheath	PVC				Polyurethane			
Cable armor	Yes							
Protective design grade	IP64(At reader head cable connection)							