

# OPTICAL SCALE SPECIFICATIONS

JSN/JSS/JSM	0.1 $\mu\text{m}$	1 $\mu\text{m}$ & 0.5 $\mu\text{m}$	5 $\mu\text{m}$	LF (NC scale)- Line Driver
Output Signal Wave				
Measurement Method	By a 20 $\mu\text{m}$ grating pitch chrome-graduated glass scale			
Accuracy	2+2L/1000 mm	2+2L/1000 mm	3+3L/1000 mm	2+2L/1000 mm
Resolution (mm)	1/10000	1/1000 & 5/10000	5/1000	5/1000 or 1/1000
Output Pulse	2500 pulse/mm	250 pulse/mm	50 pulse/mm	250 pulse/mm
Max. Traversing Speed	9m/min	36m/min	60m/min	36m/min
Reference Signal	A reference pulse every 25mm			
Grating Period	0.02mm			
Max. Vibration	3m/s <sup>2</sup> (3G)			
Moving Force	$\leq 5\text{N}$			
Working Ambient Temp.	-5°C ~ 45°C			
Storage Temperature	-20°C ~ 70°C			
Max. Cable length	25m (standard 3m)			
Supply Voltage	-5V, $\pm 5\%$ , 150mA			
Protective Design Grade	Equivalent to IP53			

