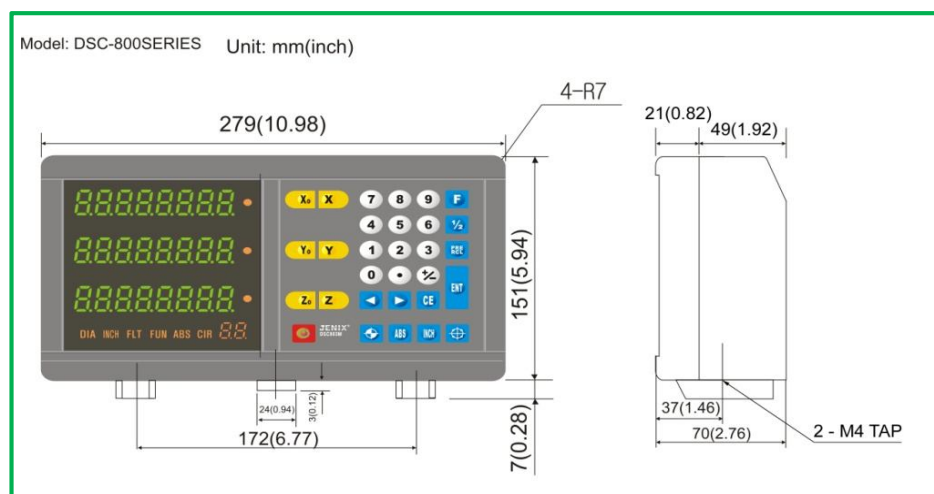


SPECIFICATIONS of JENIX Display Counter

	DSC-800 Series (801~804)	DS-803EDM
Display	Green 7 segment (LED), 8 digits	Green 7 segment (LED), 8 digits
mm/inch	Direct conversion	Direct conversion
Display resolution	mm: 0.01(5), 0.001(5), 0.00001(5) inch: 0.002 ~ 0.000004	mm: 0.01(5), 0.001(5), 0.00001(5) inch: 0.002 ~ 0.000004
ABS	100 points (No.0~99)	100 points (No.0~99)
Memory backup	10 years without power	10 years without power
Operation Temp.	-5°C ~ 45°C / 23°F ~ 113°F	-5°C ~ 45°C / 23°F ~ 113°F
Power Consumption	10W	10W
Dimensions & Weight	mm: 279 x 151 x 70 (1.6 kg) inch: 10.9 x 5.9 x 2.8 (3.52 lb)	mm: 279 x 151 x 70 (1.6 kg) inch: 10.9 x 5.9 x 2.8 (3.52 lb)
Power	Adapter (DC 5v, 2A), input AC 110~220V 50/60Hz	Adapter (DC 5v, 2A), input AC 110~220V 50/60Hz
External housing	Aluminium Die casting	Aluminium Die casting
Keypad	Membrane type	Membrane type
Function lamp	Red light	Red light
RS23C (with a PC)	Optional (115200bps, 8bit data, no parity, 1 stop bit)	Optional (115200bps, 8bit data, no parity, 1 stop bit)
EDM steps		4 steps

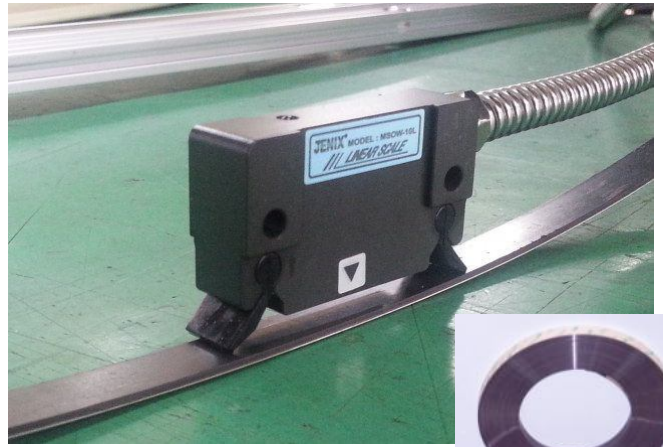
Main Functions	1. Preset / Preset recall 2. Divide (1/2) function 3. mm/inch conversion 4. Incremental / ABS conversion 5. Bolt Hole Circle 6. Changing resolution 7. Changing direction 8. Rate correction 9. Reset (ABS/Program) 10. Magnetic / Optical scale conversion 11 LED test 12. Summing up two axes 13. Double counting 14. Tool offset
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Readout	Kinds of Keypad
801	801M (X), 801G (G)
802	802M (X), 802L (X, Z), 802G (Y, Z)
803	803M (X, Y, Z), 803L (X / Z1 / Z2)
804	804M (X, Y, Z, Q)
803EDM	803EDM (X, Y, Z)

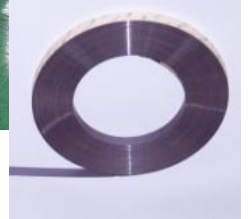




< MSS >



< MSOW >



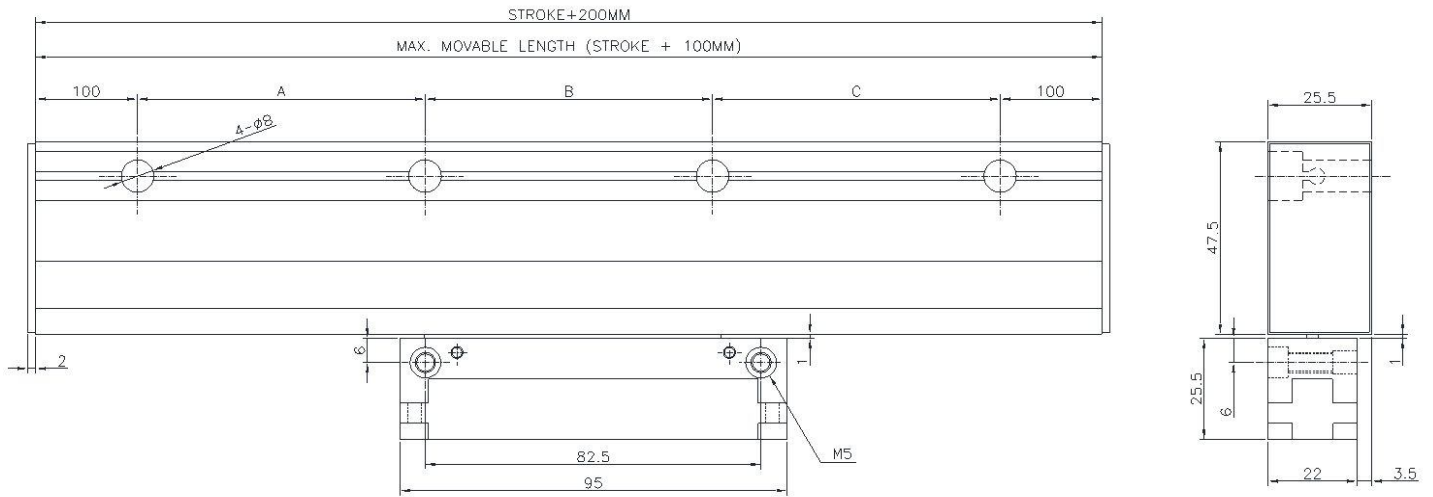
< MSP >

MAGNETIC SCALE SPECIFICATIONS

(5L/1L)	MSS	MSOW	MSP
Measurement principle	Incremental	Incremental	Incremental
Available resolution for digital outputs	0.01mm / 0.005mm	0.01mm / 0.005mm	0.01mm / 0.005mm
Repeat accuracy	± 1 increment	± 1 increment	± 1 increment
Accuracy in mm	± (0.01+0.02×L)	± (0.01+0.02×L)	± (0.01+0.02×L)
Protection class	IP53	IP67	IP67
Working temperature	-40℃ to +120℃	-40℃ to +120℃	-40℃ to +120℃
Stock temperature	-40℃ to +120℃	-40℃ to +120℃	-40℃ to +120℃
Output levels	5V TTL	5V TTL	5V TTL or SPI
Output currenxy per channel	± 4mA	± 4mA	± 4mA
DC power supply	5V ± 2.5%	5V ± 2.5%	5V ± 2.5%
Output frequency (5V-TTL level)	10KHz per channel A or B (edge rate 40MHz)	10KHz per channel A or B (edge rate 40MHz)	10KHz per channel A or B (edge rate 40MHz)
Maximum measuring length	5000mm	25m	2000mm

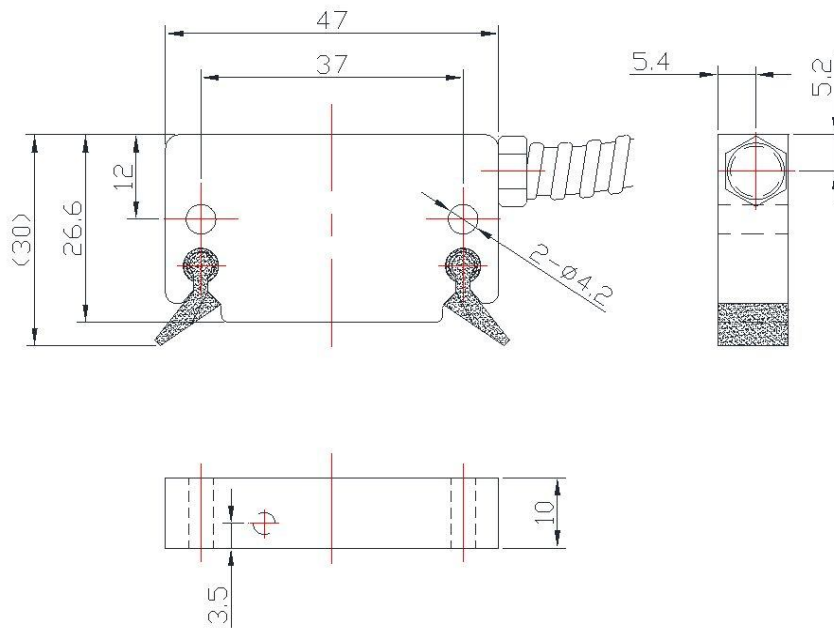
MSS

size unit: mm

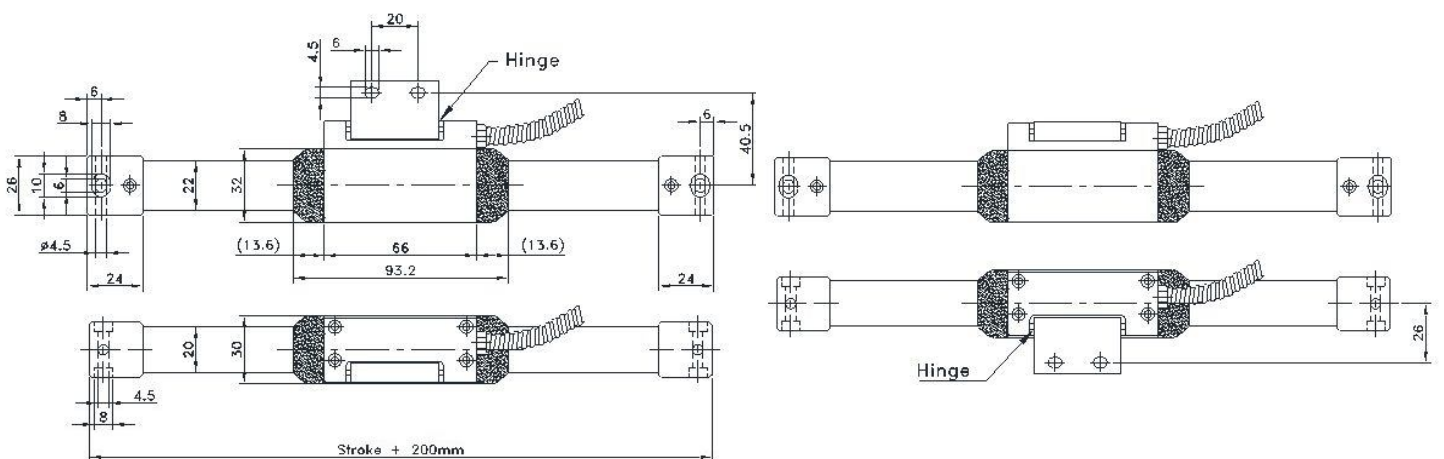


※ 치수 A,B,C 는 제품의 Stroke에 따라 간격이 정해짐.
 ※ A, B and c will be set according to each stroke.

MSOW ENCODER



MSP

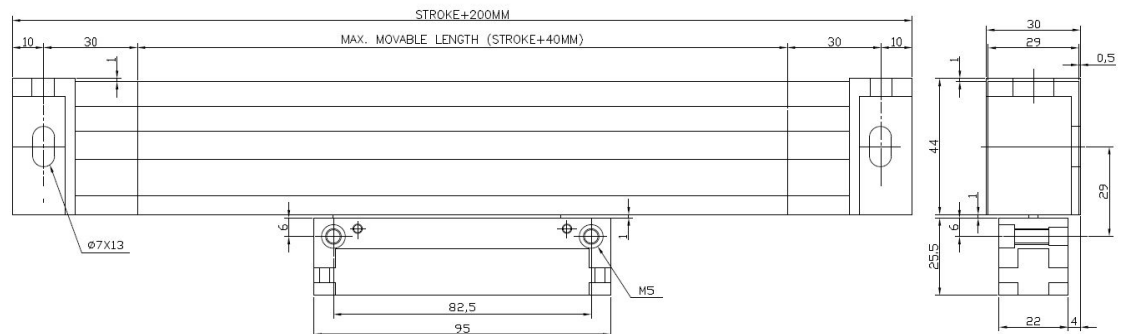


OPTICAL SCALE SPECIFICATIONS

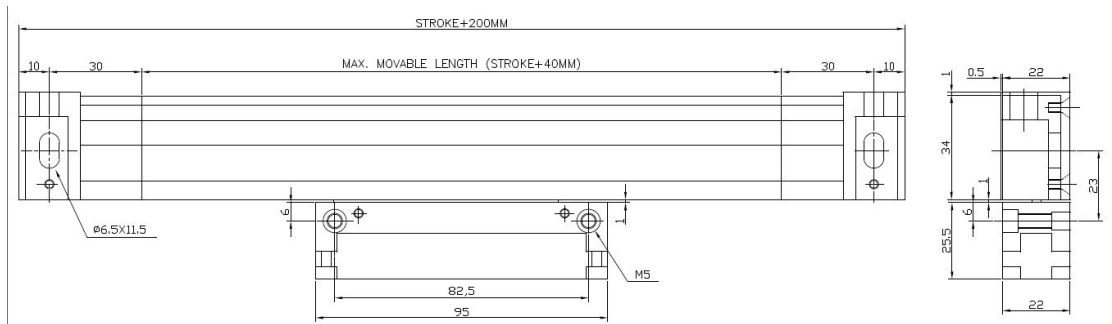
JSN/JSS/JSM	0.1 μm	1 μm & 0.5 μm	5 μm	LF (NC scale)
Measurement Method	By a 20 μm grating pitch chrome-graduated glass scale			
Accuracy	2+2L/1000 mm	2+2L/1000 mm	3+3L/1000 mm	2+2L/1000 mm
Resolution (mm)	1/10000	1/1000 & 5/10000	5/1000	5/1000 or 1/1000
Output Pulse	250 pulse/mm	250 pulse/mm	50 pulse/mm	250 pulse/mm
Max. Traversing Speed	12m/min	36m/min	60m/min	36m/min
Reference Signal	A reference pulse every 25mm			
Grating Period	0.02mm			
Max. Vibration	3m/s ² (3G)			
Moving Force	≤5N			
Working Ambient Temp.	-5°C ~ 45°C			
Storage Temperature	-20°C ~ 70°C			
Max. Cable length	25m (standard 3m)			
Supply Voltage	-5V, ±5%, 150mA			
Protective Design Grade	Equivalent to IP53			



JSM 1L/5L



JSS 1L/5L



JSN 1L/5L

