

JENIX®

DIGITAL READOUT SYSTEM

2009

2008

2007

2006

2005

2004

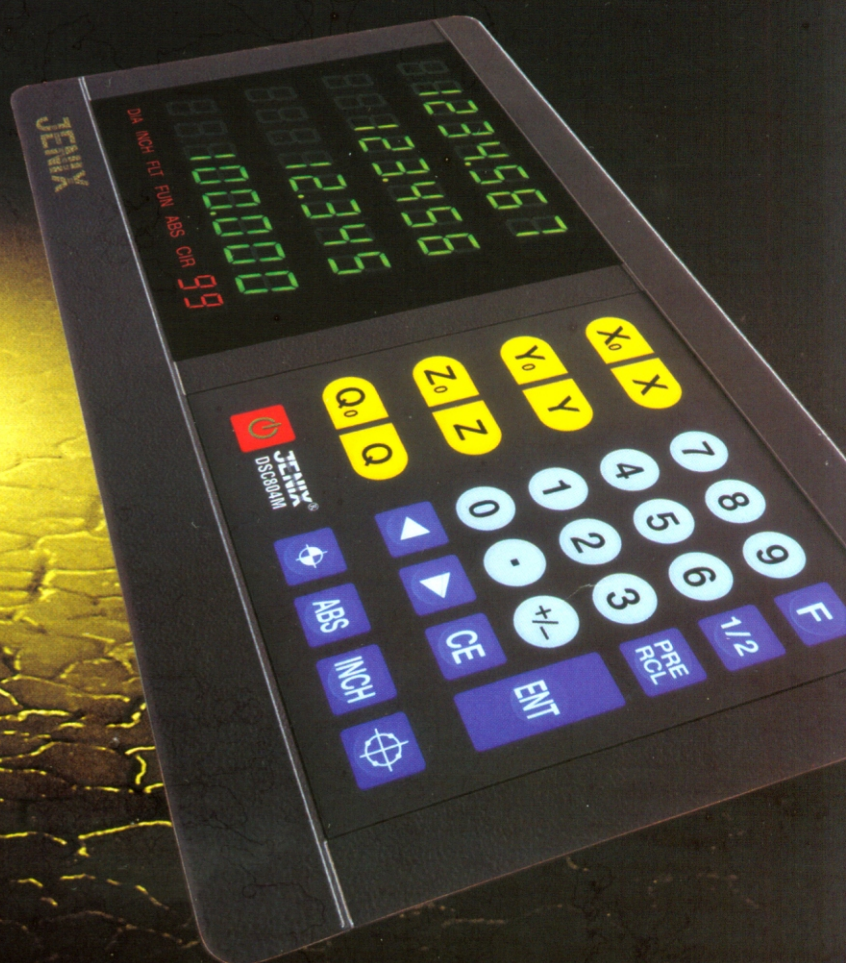
2003

2002

2001

2000

1999



JENIX DIGITAL READOUT SYSTEM

DISPLAY COUNTER



DSC-803



DSC-804



DSC-703EDM

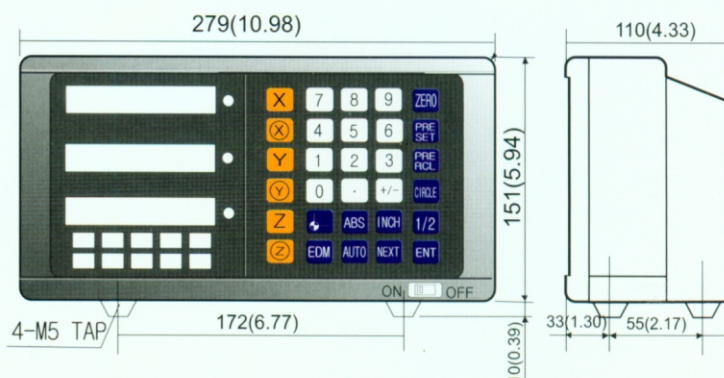
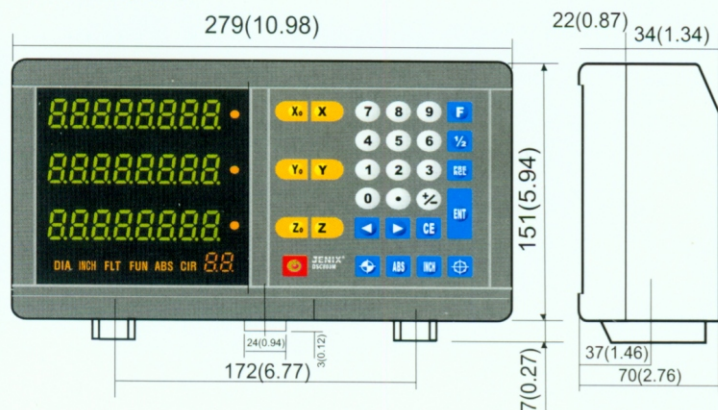
TECHNICAL SPECIFICATIONS

UNIT : mm(inch)

SPECS	Model	DSC-801,802,803,804	DSC-703EDM
Display		Green FND 7 digits with "-" sign	
mm/inch		Direct conversion	
Display Resolution		0.01mm/0.005mm/0.001mm (0.0004/0.0002/0.00004 inch)	
ABS		100 points	10 points
Memory Backup		About 10 years without power	
Operation Temp.		-5°C ~45°C (23°F ~113°F)	
Voltage Consumption		15W	
Dimensions & weight	mm,kg (inch,lb)	279(W)X70(D)X151(H), 1.6kg (10.98(W)X2.76 (D)X5.94(H), 3.53 lb)	279(W)X110(D)X151(H), 2.2kg (10.98(W)X2.76(D)X5.94(H), 4.86 lb)
Power Source		AC 50 ~265V, 50/60Hz. (Free voltage)	
External Housing		AL. Diecasting	
Key Board		Membrane type	
Function Display		Red light	
Number of Steps			4 Steps

DIMENSIONS

UNIT : mm(inch)



FUNCTION CAPABILITIES

* : Provided ▲ : Optional

FUNCTION	DSC-800	DSC-703EDM
Bolt Hole Circle	*	*
Selecting axis function in bolt hole circle	*	*
Preset & Preset Recall	*	*
Changing resolution	*	*
Initializing	*	*
Memory back up at power failure	*	*
Display zero	*	*
Compensation of Rate	*	*
Testing FND	*	*
1/2 Partition	*	*
ABS (absolute) & INCR (incremental)	100 Points	10 Points
MM / INCH conversion	*	*
Changing axis direction	*	*
RAD / DIA for Lathe	*	
Summing 2 Axes for lathe	*	
Error display	*	
Wired remote controller	▲	
EDM function		4 Steps

MAJOR FUNCTION

Bolt Hole Circle

Since up to 10,000 holes can be made along the circumference of the basic circle, it increases efficiency of works and production in working for molds and processing parts.

Absolute/Incremental

Incremental machining(zero approaching)can be used anytime by presetting the coordinate of each axis without error. In absolute positioning, JENIX counter can be saved 100 coordinates to memory.

Counting Direction Conversion

Moving direction can be converted, (+)or(-)value can be selectable.

Preset & Preset Recall

It makes your working more convenient with easy operation to preset data and recall it.

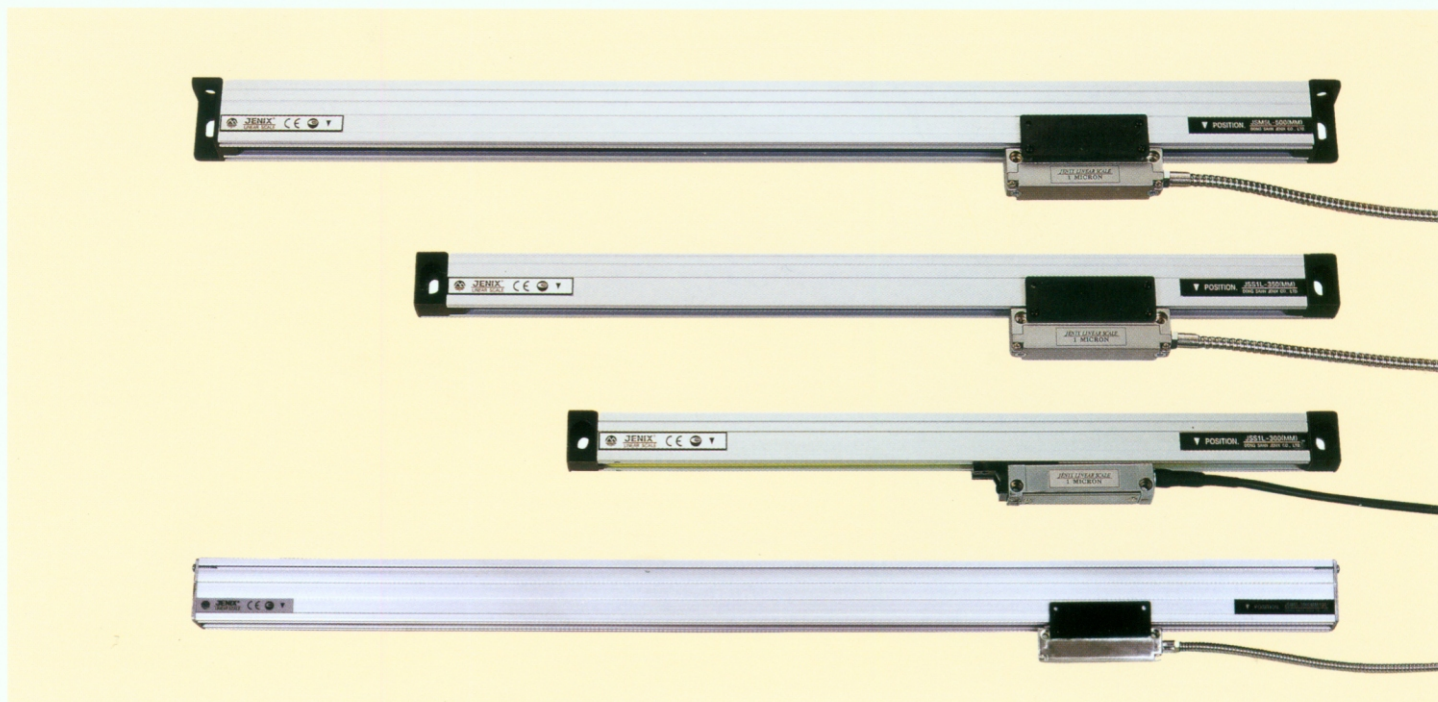
Addition of 2 Axes values

This can be used to sum up two feed values, the summed value displays at on Y-axis displaying panel.

Memory Backup

By the battery built inside a counter, pre-saved data are preserved even when the power is off.

EXAMPLES OF MAIN FUNCTION

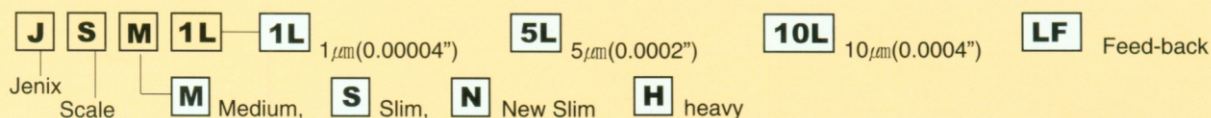


TECHNICAL SPECIFICATIONS

UNIT : mm(inch)

SPEC.	MODEL	JSS,JSM,JSN 1L	JSS,JSM,JSN 5L	JSS,JSM 1LF
Output Signals				
Measurement method		By a 20 μ m grating pitch (0.0008 inch) chrome-graduated glass scale		
Accuracy		2+2L/1000mm	3+3L/1000mm	2+2L/1000mm
Resolution		1 μ m (0.00004")	5 μ m (0.0002")	1 μ m (0.00004")
Output Pulse		250 pulse / mm	50 pulse / mm	250 pulse / mm
Max.Traversing Speed		36m / min(120ft/min)	60m / min(200ft/min)	36m / min(120ft/min)
Reference Signal		A reference pulse every 25mm(0.98")		
Grating Period		0.02mm(0.0008")		
Max.Vibration		30m/sec ² (3G)		
Moving Force		≤ 5N		
Working Ambient Temp.		-5℃~45℃ (23°F~113°F)		
Storage Temperature		-20℃~70℃ (-4°F~128°F)		
Max.Cable length		25m cf) Standard 3m (9.84ft)		
Supply Voltage		+5V, ±5%, 150mA		
Protective Design Grade		(1)Equivalent to Ip53, (2)Improvement of the protective design grade		

Order Identification

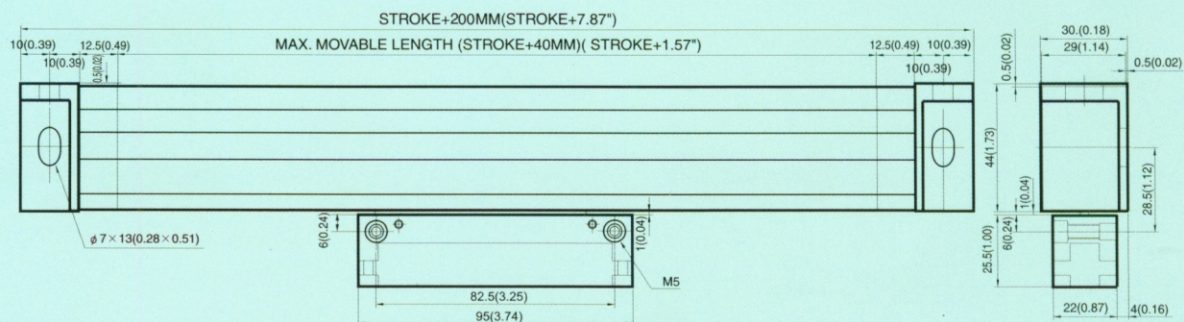


(Ex) JSS1L: Slim style of Jenix Scale with 1 μ m(0.00004") of resolution.

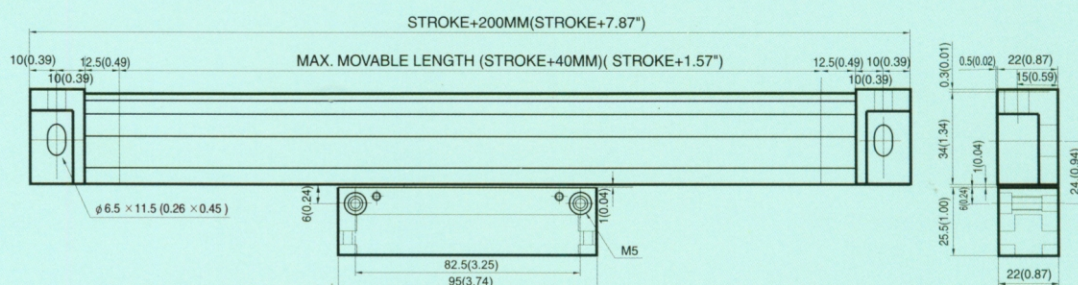
DIMENSIONS & SCALE SPECIFICATIONS

UNIT : mm(inch)

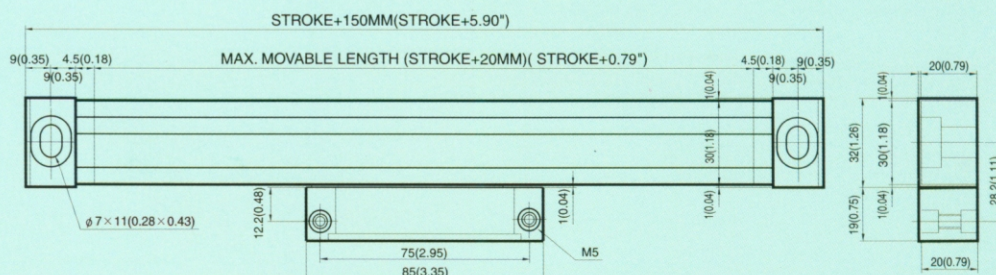
JSM1L/5L



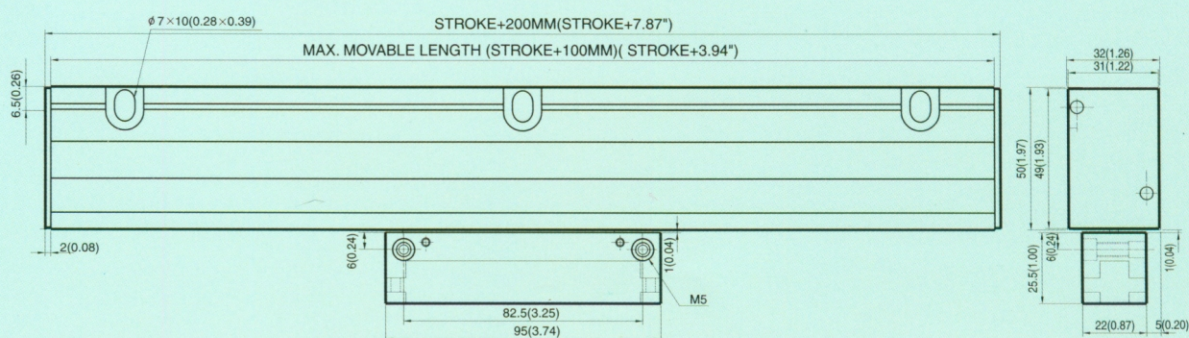
JSS1L/5L



JSN1L/5L



JSH10L



SCALE LENGTH FOR EACH MODEL

SPECS / Model	JSN1L/5L	JSS1L/5L	JSM1L/5L	JSM10L
Length Range	50 ~ 500mm (2~20 inch)	50~1000mm (2~40 inch)	50~3000mm (2~120 inch)	1000mm~ (40inch~)
Remarks	* Above is recommendation but other size can be possible through discussion. * Every 50mm(2inch) scale can be made whitin the range of 50~ 500 mm(2~120inch)			



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