

NEW GENERATION PRECISION GAUGING

- Easy setup & adjustment
- 100% measurement with optical encoder (5µm to 50nm)
- Full stroke measurement
- No drift



CAL12 series

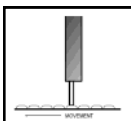
- 12mm Diameter
- Direct Drive Linear Motor
- Stroke: 10mm
- Force: 1.5N at 24V DC
- Encoder resolution: 1µm standard
- Fully programmable in force, position and velocity

- Programmable force, position & velocity
- Soft-Land capability to prevent product damages
- Force remains constant throughout stroke
- 100 million cycle long life
- SPC data collection

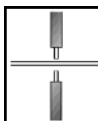
Applications



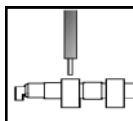
Switch Test



Height Gauging



Thickness Measurement



Profile Measurement

SMAC

Moving Coil Actuators

www.smac-mca.com

PART NUMBERING

MODEL	SERIES	STROKE			VOLT		ENCODER	SHAFT	VACUUM	SPRING									
CAL	12	-	0	1	0	-	5	1	-		V	S	-	M	O	D			

C =CUSTOM

Dimension:	Ø12x112 mm
Linear Stroke:	10 +1/-0 mm
Peak Force:	1.5 N @ 24Vdc (1.5A)
Force Constant:	1.0 N/A
Encoder Resolution:	1µm
Encoder Repeatability:	2 ±µm
Moving Mass:	10 grams
Total Mass:	0.080 kg
Operating Temperature:	0°C to 65°C

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