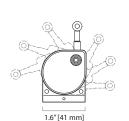
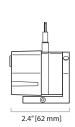
MT3A

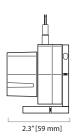
Test Applications • Voltage Divider

Compact String Pot • Flight/Crash Test Applications Dual Axis 360° Mounting Bracket 3, 9, 15, 30 and 50-inch Stroke Range Options Wet Environments • Aluminum Enclosure









GENERAL

Full Stroke Range Options	0-3, 0-9, 0-15, 0-30, 0-50 inches, min.
Output Signal	voltage divider (potentiometer)
Accuracy ± 1.1% to	0.15% full stroke (see ordering information)
Repeatability	$\pm0.02\%$ full stroke
Resolution	essentially infinite
Measuring Cable	Ø.019-in. nylon-coated stainless steel
Enclosure Material	anodized aluminum
Sensor Cover Options	aluminum or polycarbonate
Sensor	conductive plastic-hybrid potentiometer
Weight	0.5 lb. max.

ELECTRICAL

Input Resistance		10K ohms (± 10%)
Power Rating, Watts	2.0 at 158°F (70° C), derated to 0 @ 255°F (125°C)
Recommended Maxim	30V (AC or DC)	
Electrical Stroke		94% ±4% of input voltage

MECHANICAL

Measuring Cable Tension Options	9, 14 and 33 oz.
Maximum Measuring Cable Acceleration	90 g

ENVIRONMENTAL

Enclosure	NEMA 4 / IP67
Operating Temperature	-40° to 250° F (-40° to 120°C)

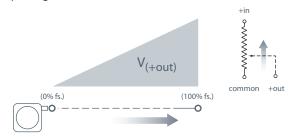


The MT3A is the solution for high-acceleration test applications in potentially wet environments. Just like the MT2A, the MT3A comes in 5 different full-stroke ranges, has a hightension heavy-duty measuring cable designed for the demands of flight and automotive crash tests and comes with an easy to use 2-axis 360° rotation mounting bracket for installation in hard to fit areas.

For extreme high impact applications, the MT3A is now available with a rugged all aluminum sensor cover!

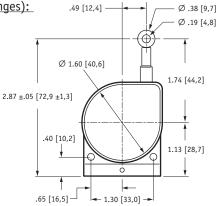


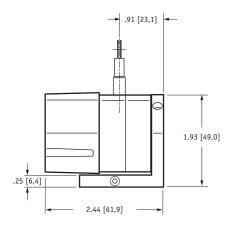
Output Signal

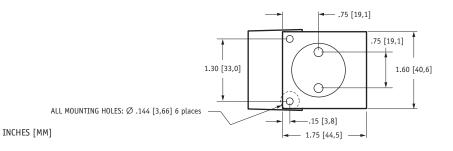




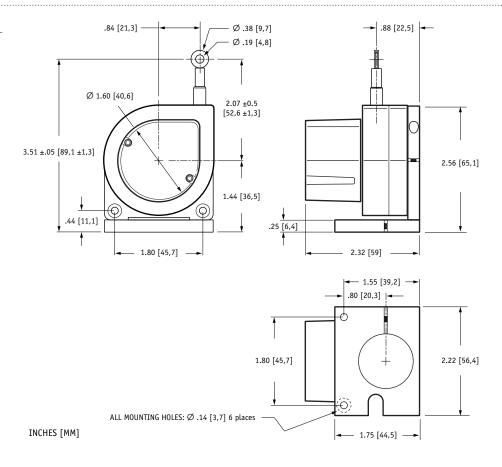
Outline Drawing (0-3 to 0-30-inch ranges):







Outline Drawing (0-50-inch range):



Ordering Information:

Model Number:

Sample Model Number:

MT3A - 9E - 33 - 10K - C1A

9 inches A measuring cable termination:
B measuring cable tension: eyelet 33 oz. (±6 oz.)

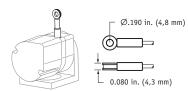
@ electrical connection: 15-ft cable w/end-mounted strain relief/aluminum cover

Full Stroke Ranae:

<u> R order code:</u>	3	9	15	30	50
full stroke range, min:	3 inches	9 inches	15 inches	30 inches	50 inches
potentiometer cycle-life:	2.5×10^6	8.3×10^5	5.0×10^5	2.5×10^5	2.5×10^5
accuracy (% of full stroke):	1.1 %	.25%	.20%	.15%	.15%

Measuring Cable Termination:

Order code: Eyelet Leader Cable (24 in. long)





Measurina Cable Tension

G order code:	9	14	33	
3, 9, 15, 30-in. range options:	9 (±2) oz.	14 (±4) oz.	33 (±6) oz.	
max. cable acceleration:	99 g	136 g	136 g	
B order code:	9	22		
50-in. range options:	9 (±2) oz.	22 (±6) oz.		
max. cable acceleration:	46 g	68 g		

Electrical Connection/Sensor Cover:

cui con	ncchon, s	ciisoi covei.							
•	order code:	C1	C1A	C4	C4A	C2	C2A	C5	C5A
	sensor cover:	polycarbonate	aluminum	polycarbonate	aluminum	polycarbonate	aluminum	polycarbonate	aluminum
electrica	electrical cable length:	15 ft (4.	5 m)	30 ft (9	9 m)	15 ft (4	.5 m)	30 ft (9	9 m)
	en	id-mount strain rei	lief					side-mo	ount strain relief

G _	order code:	C3	СЗА	C6	C6A	ВС	BCA	
	sensor cover:	polycarbonate	aluminum	polycarbonate	aluminum :	polycarbonate	. aluminum	
electrica	l cable length:	15 ft (4.	5 m)	30 ft (9	m)	n/a	n/a	
斯科教 RS©	t t	op-mount strain re	elief			blank cover*		



Signal Connection Red +in common Green 24 gauge, shielded

* blank cover option is for customers who want to provide their own connector or strain relief. This cover comes without electrical wiring access holes so customer can drill to their requirements.

version: 10.0 last updated: November 16, 2015