

# 15C/P-series

## Linear position sensor 5-50mm



The 15C/P series is an absolute linear sensor with spring return and high accuracy. It is suited for a variety application requiring a miniaturized solution, for example vehicle, machine tool & robotic applications.

15P/C Series potentiometers ensure consistent measurement and reliable operation throughout the service life of the sensor. 15P/C series offer a highly ruggedized design and a large temperature span. Defined electrical range is 5mm to 50 mm. It is reliable in a harsh environment and in limited space. Choose between square (15C) or round (15P) profile.

Model 15C/P	5	10	15	20	25	50
Active electric stroke (A.E.) (mm)	5	10	15	20	25	50
Resistance (T.E.) $\pm 20\%$ (k $\Omega$ )	1	2	3	4	5	5
Linearity over active stroke ( $\pm\%$ FS)	0,8	0,5	0,3	0,2	0,1	0,1
Mechanical stroke (M.T.) (mm)	A.E + 3					
Housing length (B) (mm)	A.E + 28,8					
Total length (A) (mm)	B x 2					
Max Supply voltage (V)	10	20	30	40	60	60
Dissipation at 70°C (W)	0,25	0,25	0,50	0,50	0,75	0,75

- Compact
- Return spring
- Large temperature span
- Good performance/price ratio

### SPECIFIKATIONER

Output	Potentiometer
Resolution	Near infinite
Repeatability	0,01 mm
Operating speed	$\leq 5$ m/s
Wiper current	
Recommended	$< 1$ $\mu$ A
Failing point	10 mA
Temperature	
Operating	-55°C ... +135°C
Temperature coefficient (ppm/°C)	$\leq 1$
Material	
Housing	Aluminum
Sensor rod	Stainless steel AISI 303
Vibration	5-2000 Hz, 20 G
Shock	50 G, 11 ms
Protection class	IP 65
Displacement force	0,5 N
Life time	$1 \times 10^6$ stroke*
*Performance may change during life time	

2018-05-18, specifications subject to change without notice

ISO 9001  
BUREAU VERITAS  
Certification



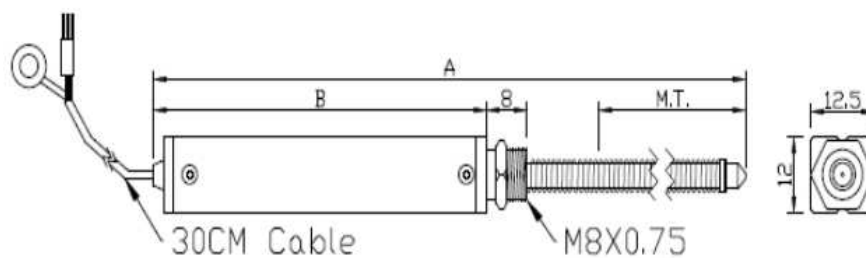
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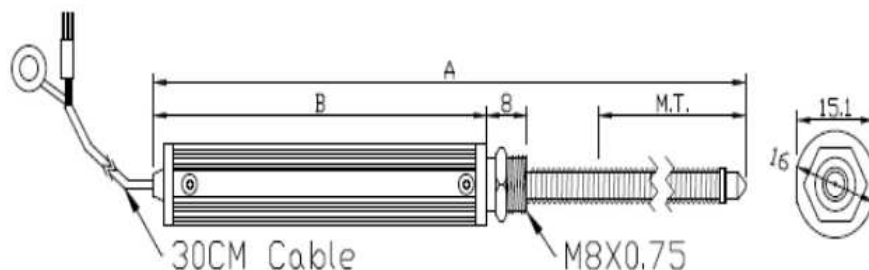
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## 15C/P-series

15C

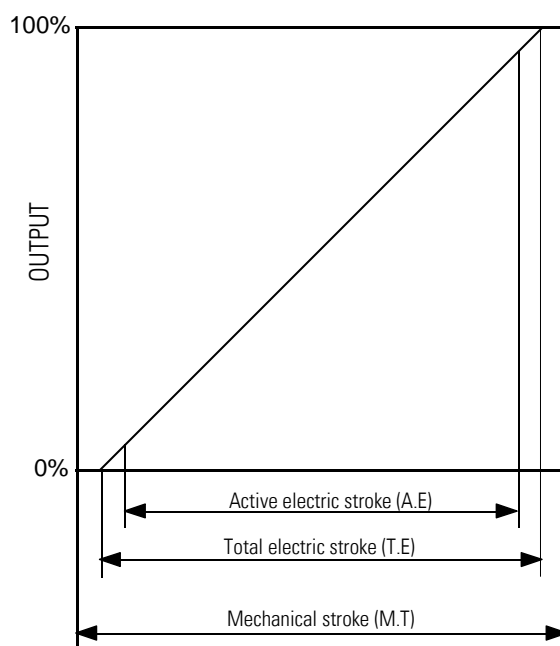
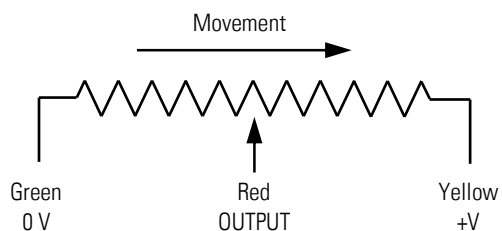


15P



(mm)

## CONNECTION



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