

PT9600 (Extended Range)

Long Stroke String Encoder

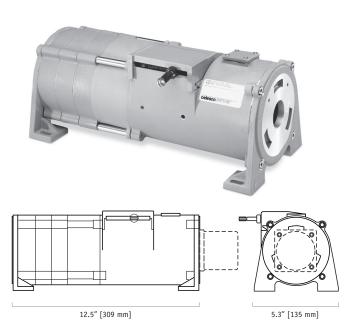
Converts ANY Rotary Encoder to a Linear Position Sensor Stroke Range Options: 0-600 to 0-1700 inches Mates Virtually ANY Customer Supplied Encoder Factory Supplied Encoder Available

GENERAL

Full Stroke F	Range Options	0-600 to 0-1700 in.			
Motion Con	version Ratio	12.6 inches per turn, see ordering informat			
Accuracy	the lessor of	±0.02% f.s. or ±0.049	% measurement ±1/2 pulse		
Accuracy, best		not less than 0.001 in. (0.03mm)			
Repeatability		$\pm 0.02\%$ of measurement $\pm 1/2$ pulse			
Measuring (Cable Options	see ordering information			
Module Mat	terial Options	powder-painted aluminum or stainless			
Encoder Co	upling	aluminum flexible coupling			
Maximum Allowable Rotational Sensor Torque			1.0 in-lbs.		
Maximum R	etraction Acce	eleration	see ordering information		
Maximum V	elocity		see ordering information		
Weight Aluminum (Stainless Steel) Enclosure			14 lbs. (28 lbs.) max.		

ENVIRONMENTAL

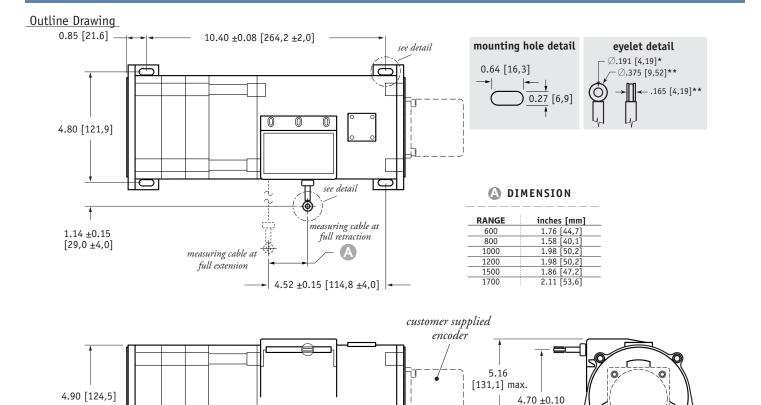
Operating Temperature -40° to 200°F (-40° to 90°C)



Our unique string encoder module mates to virtually any encoder, giving you a cost-effective long-range linear position measurement solution that precisely fits your requirements.

This modular approach delivers the ultimate in flexibility. To order, simply select the measurement range, the cable tension and encoder mounting style—it's that easy! We even supply all the necessary encoder mounting tools and attaching hardware. If you can't find your encoder mounting style or you want us to provide the encoder, please give us a call.





0.25 [6,4]

DIMENSIONS ARE IN INCHES [MM] tolerances are 0.03 IN. [0.5 MM] unless otherwise noted.

* tolerance = +.005 -.001 [+.13 -.03] ** tolerance = +.005 -.005 [+.13 -.13]

5.30 [134,6]

Ordering Information:

Model Number:

order code:

Ø.031-in.

 $12.662 \pm .010$ in.

 $12.570 \pm .016$ in.

12.15 [308,6] max

Sample Model Number:

PT9600 - 1500 - 111 - F01

 range: 1500 inches A enclosure: aluminum

B measuring cable:
Cable exit: nylon coated stainless steel (Ø.014 in.)

Ø.018-in.

 $12.623 \pm .010$ in.

 $12.529 \pm .016$ in.

notational sensor mounting style: F01 (2.5-in. sq. flange)

[120,7 ±3,0]

Full Stroke Range:

® order code:	0600	0800	1000	1200	1500	1700		
full stroke range, min:	600 in.	800 in.	1000 in.	1200 in.	1500 in.	1700 in.		
cable tension (±35%):	27 oz.	24 oz.	20 oz.	19 oz.	18 oz.	17 oz.		
	conversion ratio (nylon-coated stainless steel rope option)							
measuring cable diameter:	Ø.034-in.	Ø.019-in.	Ø.019-in.	Ø.019-in.	Ø.014-in.	Ø.014-in.		
aluminum enclosure, 1 turn =	12.673 ± .010 in.	12.626 ± .010 in.	12.626 ± .010 in.	12.626 ± .010 in.	12.613 ± .010 in.	12.613 ± .010 in.		
stainless steel enclosure, 1 turn =	12.579 ± .016 in.	12.532 ± .016 in.	12.532 ± .016 in.	12.532 ± .016 in.	12.519 ± .016 in.	12.519 ± .016 in.		
conversion ratio (bare stainless steel rope option)								

Ø.018-in.

 $12.623 \pm .010$ in.

 $12.529 \pm .016$ in.

深圳市亿为测控电子有限公司

stainless steel enclosure, 1 turn =

measuring cable diameter:

aluminum enclosure, 1 turn =

电子邮箱:sales@bill-well.com

Ø.018-in.

 $12.623 \pm .010$ in.

 $12.529 \pm .016$ in.

电话: +86 755 2641 9890

传真: +86 755 2641 9680

Ø.014-in.

 $12.613 \pm .010$ in.

 $12.519 \pm .016$ in.

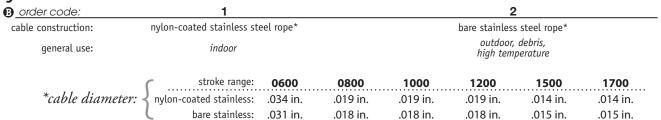
Ø.014-in.

 $12.613 \pm .010$ in.

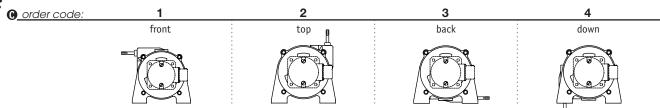
 $12.519 \pm .016$ in.

Ordering Information (cont.):

Measuring Cable:





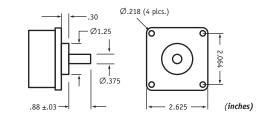


Rotational Sensor Mounting Style:

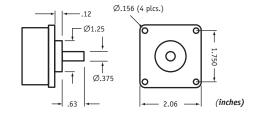
norder code:	F01	F02	S01	S02	S04
	2.5-in. Flange Mount 3/8-inch shaft	2-in. Flange Mount 3/8-inch shaft	Face-Mount 6 mm shaft M4 mounting screws	Face-Mount 10 mm shaft M4 mounting screws	Face-Mount 10 mm shaft M3 mounting screws

Note: If you don't see your encoder style, please contact factory. All encoder types supported.

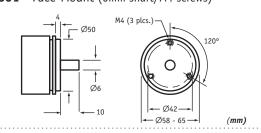
F01 - 2½-inch Sq. Flange Mount (3/8-inch shaft)



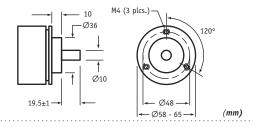
FO2 - 2-inch Sq. Flange Mount (3/8-inch shaft)



S01 - Face-Mount (6mm shaft/M4 screws)



S02 - Face-Mount (10mm shaft/M4 screws)



S04 - Face-Mount (10mm shaft/M3 screws)

