Cable-Extension Position Transducer

- ▼ Medium to Long Range
- **▼ Mates With Virtually Any Encoder**
- ▼ Pre-mated to Encoder or Separate Module

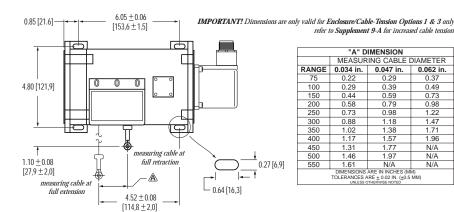
Specifications:

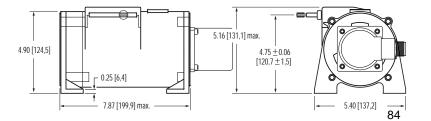
GENERAL

Full Stroke Range:0-75 to 0-550 inches, see ① next pa	age
Motion Conversion Ratio:	7
Accuracy	
Typical the lesser of 0.02% f.s. or 0.04% of measurement +1/2 pulse m	ax.
Best not less than 0.001 in. (0.03 m	ım)
Repeatability 0.02% of measurement +1/2 pulse m	ax.
Measuring Cable nylon-coated stainless steel or thermoplastic, see	8
Enclosure Material powder-painted aluminum or stainless st	
Encoder Shaft Coupling aluminum flexible coupl	ing
Maximum Allowable Rotational Sensor Torque	bs.
Maximum Retraction Accelerationsee	5
Maximum Velocitysee	4
Weight, Aluminum Enclosure	ax.
Weight, Stainless Steel Enclosure	ax.

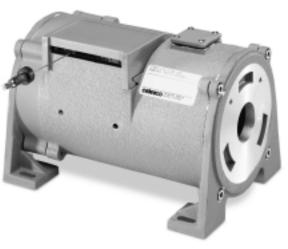


PT9600 mated to BEI Encoder for high-resolution applications





PT9600



Our unique linear-to-rotational, industrialgrade measurement 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. As a reseller of many top-brand encoders, Latin-Tech can deliver a complete solution with the PT9600 pre-mated and calibrated to an encoder. The PT9600 takes just minutes to install, fits easily into tight areas, does not require perfectly parallel alignment, and provides reliable and precise position measurements without needing periodic adjustments.

Latin Tech, Inc.

▼ Ordering Information

Model Number:



Full Stroke Range:

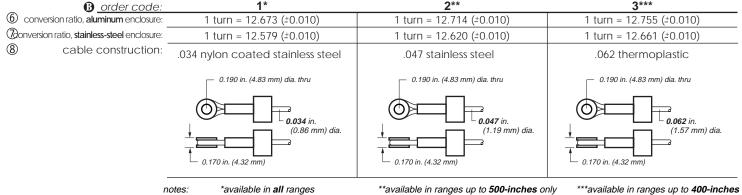
	order code:	0075	0100	0150	0200	0250	0300
1	full stroke range, min:	75 inches	100 inches	150 inches	200 inches	250 inches	300 inches
	_						
	order code:	0350	0400	0450*	0500*	0550*	

Enclosure Material & Measuring Cable Tension:

	A <u>order code:</u>	1	2	3	4	
	enclosure:	see drawing (front page)	see Supplement 9-A	see drawing (front page)	see Supplement 9-A	
2	enclosure material:	powder-paint	ted aluminum	303 stainless steel		
3	cable tension (±30%):	26 oz.	42 oz.	26 oz.	42 oz.	
4	maximum velocity:	60 inches per second	200 inches per second	20 inches per second	80 inches per second	
(5)	max. retraction acceration:	1 G	5 G's	0.33 G	2 G's	

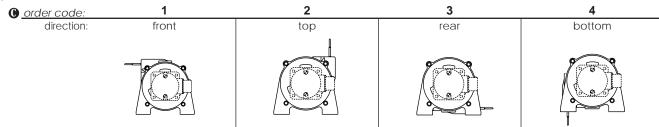
note: *42 oz. cable tension (see 3 below) for these ranges is strongly recommended!

Motion Conversion Ratio & Measuring Cable:



***available in ranges up to 400-inches *available in all ranges **available in ranges up to 500-inches only

Cable Exit:



PT9600 • Cable-Extension Motion Conversion Module

Rotational Sensors:

• order code: partial listing only--if you don't see the sensor you are looking for please contact Latin-Tech

Incremental Encoders: AB-845H-DZ Allen Bradley, Model 845 H, square flange, 3/8" shaft

BEI-H20DB-37 BEI, Model H20, square flange, 3/8" shaft, pilot

BEI-H25D BEI, Model H25, square flange

DRC-25D Dynamics Research, Model 25D, square flange

DYN-625-0 Dynapar, Model 625, square flange

EPC-702-20-G EPC, Model 702, square flange, 3/8"shaft, pilot EPC-702-01-H EPC, Model 702, hollow shaft, 1/4" bore, flex mnt.

STE-DG60LWS Stegmann, Model DG60L, face mount flange, 10mm shaft

Absolute Encoders: BEI-R25 BEI, Model R25, square flange

CO-CP850-S Computer Optical, servo mount, 3/8" shaft

DYN-A25 Dynapar, Model A25, square flange

FR-AWC58-F FRABA, model AWC58, clamp flange, 10mm shaft IVO-GA240 IVO Industries, model GA240, servo mount

STE-AG-626-W Stegmann, Model AG 626, face mount flange, 10 mm shaft

Explosion Proof: **JC-1010** Jordan Controls, Position Transmitter-PT1010

Resolvers: NEO-2510 Neotech, Model 2510, servo mount

MIC-50 Micron Instrument Corporation, Model 50 series

CC-HR90 Computer Coversions, Model HR90

▼ Sample Model Number

PT9600- 0200 - 1 1 1 - BEI-H25D

Specifications: Full Stroke Range: 200 inches

Enclosure Material: powder-painted aluminum

Measuring Cable: 0.034-in dia. nylon-coated stainless steel cable

Mating Sensor: BEI, Model H25D Incremental Encoder,

2.5" square flange, 3/8" shaft

▼ Placing an Order

Purchasing PT9600 alone? Please fax complete rotational sensor information, including outline drawing and model number specifications. Latin-Tech must be sure of sensor compatibility before your order will be accepted. The PT9600 comes with all the tools and hardware you'll need to attach the sensor to the module.

Purchasing PT9600 with rotational sensor? Please contact Latin-Tech Application Engineers for complete ordering information and pricing.

▼ All High Acceleration Applications

▼ 450-550 inch Full Stroke Applications

General:

Latin-Tech strongly recommends increased cable tension for:

- Cable velocities greater than 60 inches per second
- Cable retraction accelerations exceeding:
 - 1 G (for aluminum enclosure)
 - 0.33 G (for stainless-steel enclosure)
- Applications with ranges 450 inches and greater to minimize cable sag and maintain dynamic capabilities.

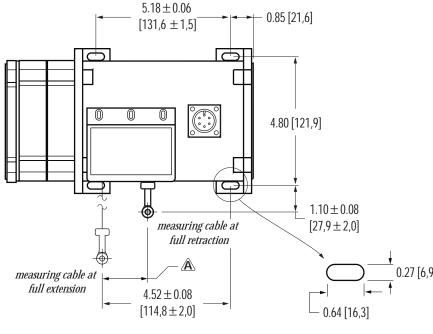
Transducer Models:

PT9101 PT9150 PT9301 PT9420 PT9510 PT9600

Available Ranges:

75 to 550 inches





"A" DIMENSION					
	MEASURING CABLE DIAMETER				
RANGE	0.034 in.	0.047 in.	0.062 in.		
75	0.22	0.29	0.37		
100	0.29	0.39	0.49		
150	0.44	0.59	0.73		
200	0.58	0.79	0.98		
250	0.73	0.98	1.22		
300	0.88	1.18	1.47		
350	1.02	1.38	1.71		
400	1.17	1.57	1.96		
450	1.31	1.77	N/A		
500	1.46	1.97	N/A		
550	1.61	N/A	N/A		
DIMENSIONS ARE IN INCHES (MM) TOLERANCES ARE ± 0.02 IN. (±0.5 MM) UNLESS OTHERWISE NOTED					

