PT8150

Heavy Industrial • Incremental Encoder

Linear Position to 60 inches • 1250mm (metric range) **Aluminum or Stainless Steel Enclosure Options VLS Option To Prevent Free-Release Damage IP67 • NEMA 6 Protection**



Full Stroke Range Options	0-30, 0-60 inches, 0-625, 0-1250 mm
Output Signal	incremental encoder (quadrature)
Accuracy 0.04% f	ull stroke (contact factory for higher accuracy)
Repeatability	± 0.02% full stroke
Resolution Options	20 to 500 pulses per inch
Measuring Cable Options	stainless steel or thermoplastic
Enclosure Material	powder-painted aluminum or stainless steel
Sensor	optical encoder
Maximum Retraction Accele	eration see ordering information
Weight, Aluminum (Stainles	ss Steel) Enclosure 3 lbs. (6 lbs.) max.

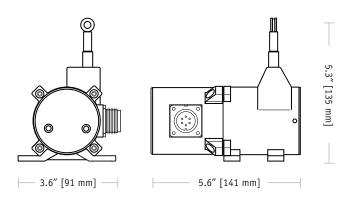
ELECTRICAL

Input Voltage	see ordering information
Input Current	see ordering information
Output Driver Options	see ordering information

ENVIRONMENTAL

Enclosure	NEMA 4/4X/6, IP 67			
Operating Temperature	0° to 160°F (-17° to 71°C)			
Vibration	up to 10g to 2000 Hz maximum			

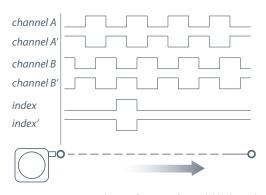




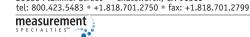
With its incremental optical encoder and industrial design, this rugged transducer provides the highest accuracy and longest life of any measurement device of its kind. For measurements up to 60 inches, this model is available in a variety of resolutions and output stages to fit virtually any requirement.

The PT8150 offers numerous advantages over other industrial-grade sensors: It installs in minutes by mounting its body to a fixed surface and attaching it's cable to the movable object, fits into areas unsuited for rod-type measurement devices, and works without perfect parallel alignment.

Output Signal Options:



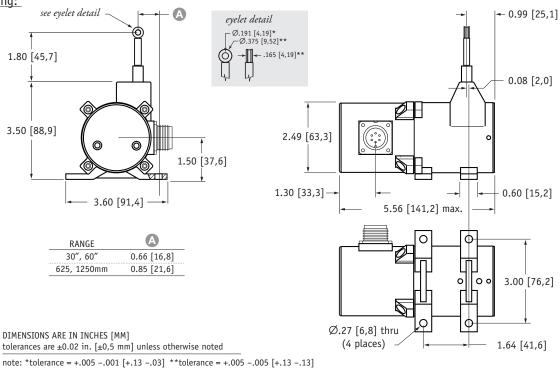
-- see ordering information for available channels



20630 Plummer Street . Chatsworth, CA 91311







Ordering Information:

Model Number:



Sample Model Number:

PT8150 - 0030 - 111 - 1110

- R range:
 A enclosure/cable tension:
- measuring cable:
 output signal:
- output signal:resolution:electrical connection:cable guide option:
- .034 nylon-coated stainless TTL/CMOS driver 200 ±4 pulses per inch 6-pin plastic connector standard nylon cable guide

aluminum/standard (12 oz.)

Full Stroke Range:

® order code:	0030	0060	0625	1250
full stroke range, min:	30 in.	60 in.	625 mm	1250 mm

Enclosure Material and Measuring Cable Tension:

♠ order code:	1	5	2	3	6	4	8	7	9
enclosure:		aluminum			303 stainless			316 stainless	
cable tension:	standard	medium	high	standard	medium	high	standard	medium	high
max. acceleration:	15 g	25 g	40 g	6 g	12 g	18 g	6 g	12 g	18 g
					Range:	30 in.	60 in.	625 mm	1250 mm

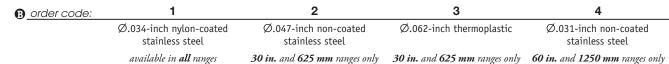
cable tension option specifications (tension tolerance: ±50%)

Range:	30 in.	60 in.	625 mm	1250 mm
Standard:	16 oz.	16 oz.	4,5 N	4,5 N
Medium:	26 oz.	26 oz.	7,2 N	7,2 N
High:	47 oz.	47 oz.	13,1 N	13,1 N
	Standard: Medium:	Standard: 16 oz. Medium: 26 oz.	Standard: 16 oz. 16 oz. Medium: 26 oz. 26 oz.	Standard: 16 oz. 16 oz. 4,5 N Medium: 26 oz. 26 oz. 7,2 N

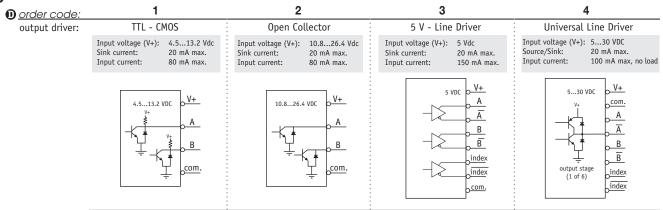
now part of Measurement Specialties, Inc.

Ordering Information (cont.):

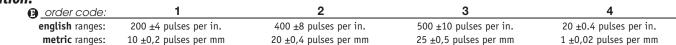
Measuring Cable:



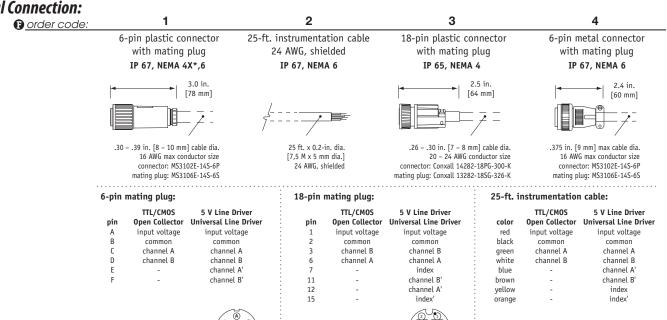
Output Signals:



Resolution:



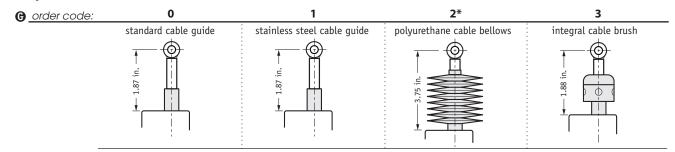
Electrical Connection:



* –applies to stainless steel enclosure only.



Cable Guide Options:



*important! - bellows limits measuring cable travel to 25 inches, contact factory before ordering.

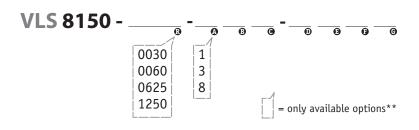
VLS Option - Free Release Protection

The patented Celesco Velocity Limiting System (VLS) is an option for PT8000 Series cable extension transducers that limits cable retraction to a safe 40 to 55 inches per second.

The VLS option prevents the measuring cable from ever reaching a damaging velocity during an accidental free release. This option is ideal for mobile applications that require frequent cable disconnection and reconnection. It prevents expensive unscheduled downtime due to accidental cable mishandling or attachment failure.

VLS is NOT available for medium and high cable tension options or 2, 5 and 15-inch stroke ranges.

How To Configure Model Number for VLS Option:



creating VLS model number (example):

1. select PT8150 model

PT8150-0060-111-1110

2. remove "PT" from the model number

8150-0060-111-1110

3. add "VLS"

VLS + 8150-0060-111-1110

4. completed model number!

VLS8150-0060-111-1110

PT8150

^{**}Note: please contact factory for a solution to options not supported.