



**Ordering Information:**

**Model Number:**

**PT1MA** - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_  
*order code:*                      **R**                      **A**                      **B**                      **C**                      **D**

Sample Model Number:

**PT1MA - 30 - UP - 420E - MC4 - SG**

- R** range: 30 inches
- A** measuring cable exit: up
- B** output signal: 4...20mA
- C** electrical connection: 4-pin micro connector
- D** cable guide: spring-loaded guide

**Full Stroke Range:**

<b>R</b> order code:	2	5	10	15	20	25	30	40	50
full stroke range, min:	2 in.	5 in.	10 in.	15 in.	20 in.	25 in.	30 in.	40 in.	50 in.
accuracy (% of f.s.):	0.28%		0.18%			0.15%			
potentiometer cycle life:	2,500,000 cycles		500,000 cycles			250,000 cycles			
cable tension (20%):	12 oz.	5 oz.	12 oz.	9 oz.	6 oz.	5 oz.	9 oz.	6 oz.	5 oz.
maximum cable acceleration:	11 G's	3 G's	11 G's	5 G's	4 G's	3 G's	5 G's	4 G's	3 G's

**Cable Exit:**

**A** order code: direction:                      **UP** up                      **DN** down                      **FR** front                      **BK** back

measurement range	2	5	10	15	20	25	30	40	50
<b>A</b>	1.04 in. 26,4 mm	0.58 in. 14,7 mm	1.04 in. 26,4 mm	0.82 in. 20,8 mm	0.74 in. 18,8 mm	0.58 in. 14,7 mm	0.82 in. 20,8 mm	0.74 in. 18,8 mm	0.58 in. 14,7 mm
<b>B</b>	0.75 in. 19,1 mm	0.29 in. 6,1 mm	0.75 in. 19,1 mm	0.53 in. 13,5 mm	0.45 in. 11,5 mm	0.29 in. 6,1 mm	0.53 in. 13,5 mm	0.45 in. 11,5 mm	0.29 in. 6,1 mm
<b>C</b>	1.43 in. 36,3 mm	1.89 in. 48,0 mm	1.43 in. 36,3 mm	1.65 in. 41,9 mm	1.73 in. 43,9 mm	1.89 in. 48,0 mm	1.65 in. 41,9 mm	1.73 in. 43,9 mm	1.89 in. 48,0 mm

**Output Signals:**

<b>B</b> order code:	420E	420R	020E	020R
output signal options:	4...20 mA 	20...4 mA 	0...20 mA 	20...0 mA 
sensitivity:	16 mA/full stroke ±0.25%		20 mA/full stroke ±0.25%	
wiring configuration:	2 - wire		3 - wire	
input voltage:	8 - 40 vdc		14 - 29 vdc	

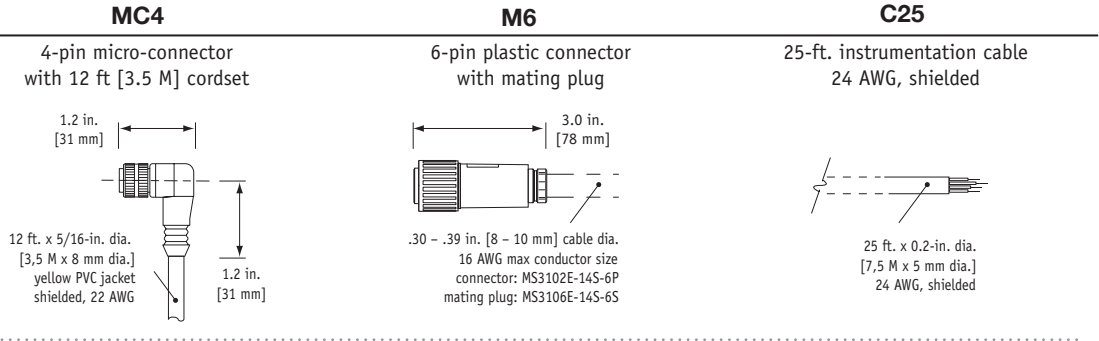
example:

ordercode = **420E** = 4...20 mA →  
 4 mA =   
 20 mA =

Ordering Information (cont.)

Electrical Connection:

① order code:



4-pin mating plug and cordset:

pin	color code	2-wire	3-wire
1	RED-BLK TR.	8...40 vdc	14...29 vdc common
2	RED-WHT TR.	4...20 mA	0...20 mA
3	RED	-	-
4	GREEN	-	-

6-pin mating plug:

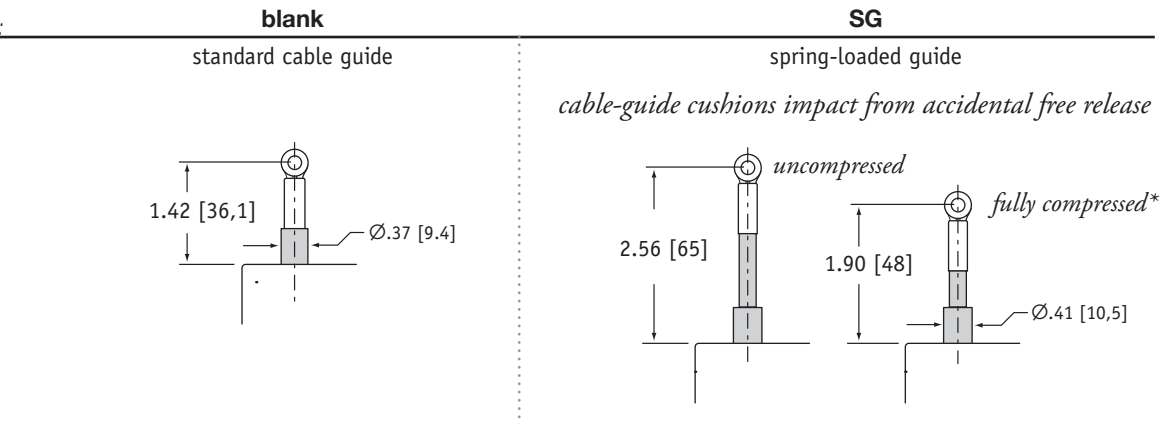
pin	2-wire	3-wire
A	8...40 vdc	14...29 vdc common
B	4...20 mA	0...20 mA
C	-	-
D	-	-

25-ft. cable:

color code	2-wire	3-wire
RED	8...40 vdc	14...29 vdc common
BLACK	4...20 mA	-
WHITE	-	-
GREEN	-	0...20 mA

Cable Guide:

① order code:



\*note: start of full stroke range begins at full compression point (except 2-inch and 5-inch ranges).



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