Position/Velocity Panel Meter Systems



PT8420 shown for illustration,
Systems available for ALL Celesco Transducers

Systems Configured to Customer Requirements

Shipped with Record of Calibration

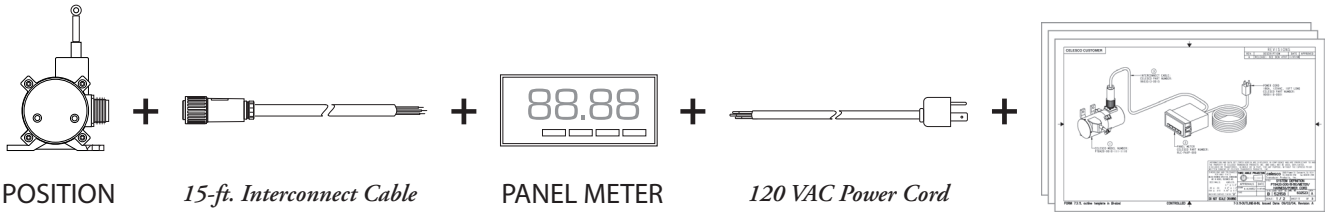
Ideal for ISO9000 environments!

Celesco provides a completely configured and tested panel meter system programmed and calibrated to your exact requirements. Each system includes panel meter, position or velocity transducer, 15-ft. interconnect cable and 120 VAC power cord to power the meter.

Optional contact closures (setpoints) and separate analog outputs to drive additional control equipment are available. Contact Celesco for system quote and complete information!

System Overview:

COMPLETE PANEL METER SYSTEM



POSITION TRANSDUCER + *15-ft. Interconnect Cable* + PANEL METER (DISPLAY) + *120 VAC Power Cord* + SYSTEM DOCUMENTATION

Position Transducer - Select from our full line of linear or rotary position and velocity transducers. Let our application engineers help you select the model to fit your requirement.

15-ft Interconnect Cable - This multiconductor cable provides all electrical connections between the transducer and the panel meter. Custom lengths beyond 15 feet available.

Panel Meter - Celesco will provide panel meters from only the best manufacturers. Because we have a long history of providing panel meter systems to our customers, you can be assured we will only deliver systems that will fit your specific requirement.

120 VAC Power Cord - Shipped with all systems. Provides AC power directly to panel meter.

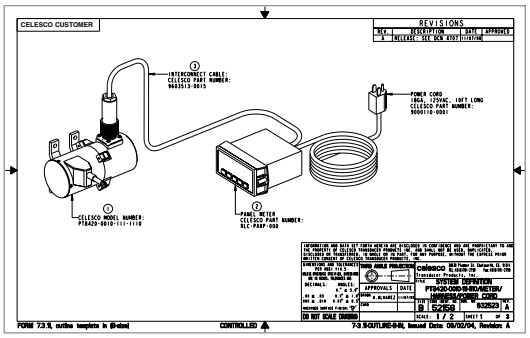
System Documentation - Celesco will provide complete system documents that clearly define all shipped components including specific panel meter programming parameters. Upon receipt of order, Celesco will require customer approval of all documents before final assembly and shipment of your order. *See next page for more info.*

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System Documentation (defined):

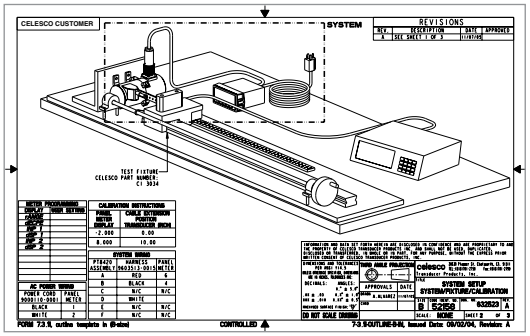
Celesco will provide the following documents with each system:

System Definition Drawing



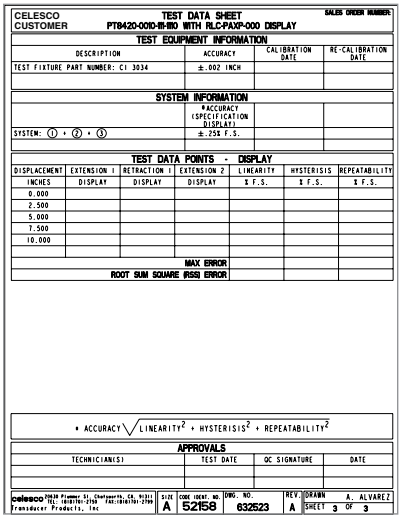
description	*benefit*
Identifies all specific components delivered to the customer.	Clearly defines the entire system in a controlled manner.

Test Set-Up and Programming Drawing



description	*benefit*
Identifies all test fixtures and electronic equipment used to verify system performance. Also details specific values used to program display.	Provides controlled record of system programming.

Calibration Data



description	*benefit*
Provides formal record of calibration data including statement of accuracy.	For ISO9000 environments, provides detailed calibration procedures.

System Worksheet:

Please use this worksheet to help define your specifice display requirements. An example is shown below.

You may submit this worksheet with your order.

For Position:

Units of Measurement:	☐ inch ☐ mm. ☐ feet ☐ %
Decimal Point Location:	☐ none ☐ x.x ☐ x.xx ☐ x.xxx
Display at Full Extension:	
Display at Full Retraction:	

For Velocity:

Units of Measurement:	☐ inch ☐ mm. ☐ feet ☐ %
Units of Time:	☐ secs. ☐ min. ☐ hrs.
Decimal Point Location:	☐ none ☐ x.x ☐ x.xx ☐ x.xxx
Minimum Velocity:	
Maximum Velocity:	
Display at Minimum Velocity:	
Display at Maximum Velocity:	

For Analog Output:

Display	Output Signal
	= ☐ 4 mA ☐ 0 VDC
	= ☐ 20 mA ☐ 5 VDC ☐ 10 VDC

For Setpoints:

Display	Setpoint
	= Setpoint 1
	= Setpoint 2

Example:

For Position:

Units of Measurement:	☒ inch ☐ mm. ☐ feet ☐ %
Decimal Point Location:	☐ none ☐ x.x ☒ x.xx ☐ x.xxx
Display at Full Extension:	9000
Display at Full Retraction:	0000

For Analog Output:

Display	Output Signal
9000	= ☒ 4 mA ☐ 0 VDC
0000	= ☒ 20 mA ☐ 5 VDC ☐ 10 VDC

Position Display:

Units of measurement	*INCHES*
Display reading when cable is fully retracted:	*00.00*
Display reading whe cable is fully extended:	*90.00*

Analog Output:

When the display reads 00.00 inches, the output should be:	*4 mA*
When the display reads 90.00 inches, the output should be:	*20 mA*