

## CMCP700S Series Slim Line Transmitters

### Features:



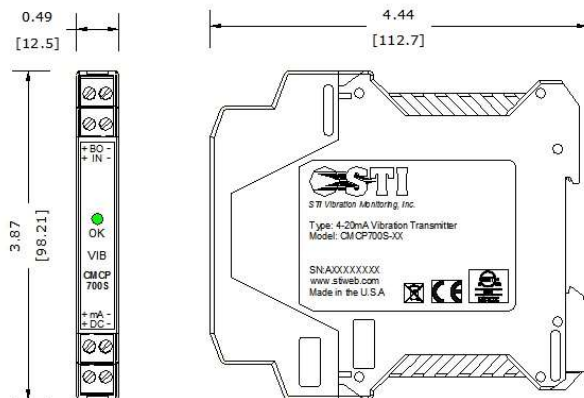
- 12.5mm (0.49") Wide for High Density
- Accelerometer, Velocity, Proximity Probe Inputs and DC Inputs
- -24VDC Created Onboard for Proximity Probes
- Selectable EU: English or Metric
- Selectable Detection: RMS, Peak, Peak to Peak, or DC
- Din Rail Mounted
- Power On with Red LED Indication
- Bi-Polar LED, Red = On, Green = OK
- Buffered Output on Terminal
- Multiple Selectable Ranges
- Multiple Standard Inputs
- Single Level of Integration Available

The **CMCP700S Series Signal Conditioning Cards** or Transmitters are designed to provide high channel counts in less linear space by using 12.5mm wide Slim Line Case. Active Buffered outputs are provided by terminal connection only as the slim design does not allow room for a standard BNC connector. The CMCP700S Series are designed to be used with STI's CMCP7500MMS 19" Rack Mounted Monitoring System that provides front panel BNC connectors. The CMCP700S may also be used with the Plants DCS/PLC Systems in a standalone fashion. Din Rail Mounted BNC Buffered Output Modules are available.

The CMCP700S Series are powered by +24VDC and the CMCP700S-RV and CMCP700S-DC create -24VDC onboard for powering Proximity Probe Systems. A fully functional OK Circuit is provided by LED Indication and forcing 4-20 mA signal to <2ma. The CMCP700S-CV selectively provides a single level of integration (Acceleration to Velocity or Velocity to Displacement).



*Shown with optional CMCP300E BNC Interface*



## CMCP700S Series Slim Line Transmitters

Specifications:	CMCP700S-CV	CMCP700S-RV	CMCP700S-DC
Type:	Case Vibration	Relative Vibration	Thrust Position Electronic Temperature DC & TSI Functions
Sensor Type:	Accelerometer or Velocity Sensor (4mA CC)	Proximity Probe -24 VDC Provided	Proximity Probe Electronic Temperature DC LVDT
Frequency Response: (Selectable)	ISO 10 Hz to 1 kHz or ISO LF 2 Hz to 2 kHz	2 Hz to 10 kHz or 4 Hz to 10 kHz	DC
Accuracy:	1% Full Scale		
Standard Input:	100 mv/g or 100 mv/in/sec (4 mv/mm/sec)	200 mv/mil (7.87 mv/um)	10, 25, 50, 100, 200 mv/mil 0.39, 0.98, 1.97, 3.94, 7.87 mv/um Proximity Probes 0-5, 0-10, 1-5, 1-6 Vdc 0-1.25 Vdc (10mv/C Temp)
Selectable Ranges:	5, 10, 15, 20, 25 g's 0.5, 1.0, 1.5, 2.0, 2.5 in/s 12.5, 25, 37.5, 50, 62.5 mm/s 5, 10, 15, 20, 25 mils 125, 250, 375, 500, 625 um	5, 10, 15, 20, 25, 50 mils 125, 250, 375, 500, 625, 1300 um	-8, -12, -16, -18, -20 Vdc +1.25, +4, +5, +10 Vdc
Ok Circuit:	LED Indication and drives 4-20 mA Output to <2ma.		
Power:	+24 VDC Nominal (22 to 36 VDC)		
-24Vdc Onboard	No	Yes	Yes
Protection:	Reverse Polarity and Transient Protection Included		
Power/OK Indication	Bipolar LED (Red = Power, Green = OK)		
Buffered Output:	Active Buffered Output on Screw Terminal		
Signal Detection	RMS or Peak	Peak to Peak	DC
Engineering Units:	English or Metric (Selectable)		
Output EU:	Acceleration, Velocity or Displacement	Displacement Mils/um	Thrust Position Temperature Or as Specified
Outputs:	4-20 mA (Source) 600 Ohms Resistive		
Size:	99 mm Long x 114.5 mm High x 12.5 mm Wide (3.9" x 4.51" x 0.492")		
Weight:	85 grams (3.0 oz.)		
Mounting:	35 mm Din Rail		
Temperature (Operating)	-20°C to +80°C (-4°F to +176°F).		
Temperature (Storage)	-40°C to +95°C (-40°F to +203°F)		
Humidity:	0-95% Non-Condensing		
IP Rating:	IP20		
Certifications:	CE, RoHS		

\*Other Input Sensitivities can be used. Range scales are inversely proportional to standard input sensitivities.

### Ordering Information:

CMCP700S-CV	Case Vibration
CMCP700S-RV	Relative Vibration (Proximity Probe)
CMCP700S-DC	Thrust, Temperature and DC Functions