

CSC & LCSC-OEM INTEGRAL INLINE SIGNAL CONDITIONER

FEATURES & BENEFITS

- Outputs 4-20mA, 0-10V, 0-5V, $\pm 10V$, $\pm 5V$
- Zero and span adjustments
- 1kHz bandwidth
- CE approved (CSC)
- High noise immunity
- Great for OEM applications (LCSC)
- Reverse polarity protected

SPECIFICATIONS

EXCITATION			
Excitation Voltage – VDC		5	
Excitation Current – mA MAX		15	
PERFORMANCE			
Bandwidth – Hz		1000	
Span Adjustment Range – %FRO		± 8	
Zero Adjustment Range – %FRO		± 2	
Nonlinearity – %FS		0.02	
Span Temperature Coefficient – % °F		± 0.0036	
Zero Temperature Coefficient – %FRO °F		± 0.0014	
ENVIRONMENTAL			
Operating Range	°C	-40 to +85	
	°F	-40 to +185	
MECHANICAL			
Enclosure	CSC	Stainless steel IP67	
	LCSC	Plastic	
Reverse Polarity Protection – V		~ 30	
Dimensions – W x H x D	CSC	mm	$\varnothing 55.8 \times 27.94$
		in	$\varnothing 2.2 \times 1.1$
	LCSC	mm	69.85 x 16.51 x 31.75
		in	2.75 x 0.65 x 1.25

OPTIONS

- User-specified cable lengths
- User-specified conditioner in data path
- Special calibration

U.S. dimensions and capacities are provided for conversion only. Standard products have International System of Units (SI) capacities and dimensions.

STANDARD CONFIGURATION



CSC (Shown)



LCSC-OEM (Shown)

Model	Output	Power Supply	
		VDC	mA nom
CSC and LCSC-0	4-20mA Unipolar Comp +	13 to 28	26
CSC and LCSC-1	$\pm 10V$ Bipolar	14 to 18	30
CSC and LCSC-2	0.1-10 V Unipolar Ten +	13 to 28	22
CSC and LCSC-3	0.1-10 V Unipolar Comp +	13 to 28	22
CSC and LCSC-4	$\pm 10V$ Bipolar	± 13 to ± 15	22
CSC and LCSC-5	$\pm 5V$ Bipolar	14 to 18	30
CSC and LCSC-6	0.1-5V Unipolar Ten +	8.5 to 28	22
CSC and LCSC-7	0.1-5V Unipolar Comp +	8.5 to 28	22
CSC and LCSC-8	4-20mA Bipolar Ten +	13 to 28	26
CSC and LCSC-9	4-20mA Unipolar Ten +	13 to 28	26
CSC and LCSC-10	4-20mA Unipolar Ten + (2-wire)	7.5 to 28	20
CSC and LCSC-11	4-20mA Unipolar Comp + (2-wire)	7.5 to 28	20

Applications Note: The Signal Conditioner models CSC and LCSC come installed and calibrated to your choice of load cell and cabling.

Reference Note: For information regarding Model CSD Embedded Load Cell Converter and Digitizer modules, see product-specific datasheet.