Model Number 483C28	SENS	NDITIONER				ision: C I #: 45020		
erformance	ENGLISH SI 8 8				IONS			
hannels	8			Optional vers			ccessories as listed for	or the standard
ensor Input Type(s)	ICP®, Voltage,	ICP®, Voltage,					n one option may be	
(altage Cain(ICB) (altage Mede)	Bridge/Differential	Bridge/Differential						
oltage Gain(ICP/Voltage Mode)	x0.1 to x200	x0.1 to x200						
oltage Gain(Bridge/Differential Mode)	x0.1 to x2000	x0.1 to x2000						
ccuracy(Gain, x0.1 to x0.4)	± 5 %	± 5 %						
ccuracy(Gain, x0.5 to x0.99)	±1%	±1%						
ccuracy(Gain, x1.0 to x2000)	± 0.5 %	± 0.5 %						
ccuracy(Excitation)	±1%	±1%						
put Range(Differential)	± 0 to 10 V	± 0 to 10 V						
utput Range(Minimum)	± 10 V	± 10 V						
requency Range(-5%)(x100 Gain)	0.05 to 100,000 Hz	0.05 to 100,000 Hz	[5]					
requency Range(-5 %)(≥100 Gain)	0.05 to 50,000 Hz	0.05 to 50,000 Hz	[5]					
hase Response(at 1 kHz)	± 1 °	± 1 °						
cross Talk(maximum @ 10kHz)	-72 dB	-72 dB						
calibration(Shunt)	Internal/External	Internal/External						
EDS Sensor Support	Yes	Yes						
ault/Bias Monitor/Meter(LED)	Open/Short/Overload	Open/Short/Overload						
Control Interface								
igital Control Interface	Ethernet	Ethernet						
nvironmental								
emperature Range(Operating)	+32 to +120 °F	0 to +50 °C		NOTES:				
lectrical				[1]Adjustable in 0	.1V steps.			
ower Required(direct input to unit)	AC Power	AC Power		[2]Negative excita	ation can be set to 0	V or to track the po	sitive excitation votag	je.
C Power(47 to 63 Hz)	100 to 240 VAC	100 to 240 VAC		[3]Typical, AC Co	oupled.			
C Power	≤ 0.9 Amps	≤ 0.9 Amps				oled with 350 ohm b		
xcitation Voltage(To Sensor)	>+24 VDC	>+24 VDC				response is 0Hz in [
xcitation Voltage(Bridge Input)(Positive)	+0 to 12 V	+0 to 12 V	[1]	[6]See PCB Decl	aration of Conforma	ince PS023 for deta	IIS.	
xcitation Voltage(Bridge Input)(Negative)	-0 to 12 V	-0 to 12 V	[1][2]					
put Imbalance Adjustment(Maximum, Gain <10)	± 2 V	± 2 V	r • 11-1					
put Imbalance Adjustment(Maximum, Gain ≥10)	± 0.2 V	± 0.2 V						
ommon Mode Voltage(Maximum)	± 10 V	± 10 V						
C Offset(Stability, Maximum RTI)	5 µV/°C	5 µV/°C						
C Offset(AC Coupled)	≤ 50 mV	≤ 50 mV						
C Offset(DC Coupled, Gain <100)	<10 mV	<10 mV						
	<20 mV	<20 mV						
C Offset(DC Coupled, Gain ≥100)	30 mA							
current Output(Bridge Input)(Excitation, Maximum)		30 mA						
constant Current Excitation(To Sensor)	0 to 20 mA	0 to 20 mA						
Dutput Impedance	≤ 50 Ohm	≤ 50 Ohm						
npedance(Input)	>1 MOhm	>1 MOhm						
overload Threshold(± 0.2 Vpk)	± 10 Vpk	± 10 Vpk						
roadband Electrical Noise(1 to 10,000 Hz)(Gain x1)	50 µV rms	50 µV rms	[3] [3]					
pectral Noise(1 Hz)(Gain x1)	6.0 µV/√Hz 1.5 µV/√Hz	6.0 μV/√Hz 1.5 μV/√Hz	[3]					
pectral Noise(10 Hz)(Gain x1) pectral Noise(100 Hz)(Gain x1)	1.5 µV/\Hz 1.0 µV/√Hz	1.5 μV/√Hz 1.0 μV/√Hz	[3] [3]					
pectral Noise(160 H2)(Gain x1)	1.0 µV/√Hz	1.0 µV/√Hz	[3]					
pectral Noise(10 kHz)(Gain x1)	1.0 µV/√Hz	1.0 µV/√Hz	[3] [3]					
roadband Electrical Noise(1 to 10,000 Hz)(Gain x10)	75 µV rms	75 µV rms	[3]					
pectral Noise(1 Hz)(Gain x10)	20 µV/√Hz	20 µV/√Hz	[3]					
pectral Noise(10 Hz)(Gain x10)	1.5 µV/√Hz	1.5 µV/√Hz	[3] [3] [3]					
pectral Noise(100 Hz)(Gain x10)	1.0 µV/√Hz	1.0 µV/√Hz	[3]					
pectral Noise(1 kHz)(Gain x10)	1.0 µV/√Hz	1.0 µV/√Hz	[3]					
pectral Noise(10 kHz)(Gain x10)	1.0 µV/√Hz	1.0 µV/√Hz	[3] [3]					
roadband Electrical Noise(1 to 10,000 Hz)(Gain x100)	350 µV rms	350 µV rms	[3]					
pectral Noise(1 Hz)(Gain x100)	140.0 μV/√Hz	140.0 µV/√Hz	[3]					
pectral Noise(10 Hz)(Gain x100)	14.0 µV/√Hz 8.0 µV/√Hz	14.0 µV/√Hz 8.0 µV/√Hz	[3]					
pectral Noise(100 Hz)(Gain x100) pectral Noise(1 kHz)(Gain x100)	8.0 µV/√Hz 4.0 µV/√Hz	8.0 μV/√Hz 4.0 μV/√Hz	[3] [3]					
pectral Noise(10 kHz)(Gain x100)	4.0 µV/√Hz	4.0 µV/√Hz 4.0 µV/√Hz	[3]					
roadband Electrical Noise(1 to 10,000 Hz)(Gain x1000)	3000 µV/rms	3000 µV/rms	[4]					
hvsical		e :						
lectrical Connector(ICP® Sensor Input)	BNC Jack	BNC Jack						
ectrical Connector(Bridge/Differential)	8-socket mini DIN	8-socket mini DIN		SUPPLIED AC	CESSODIES.			
lectrical Connector(Output)	BNC Jack	BNC Jack		Model 017AXX P				
lectrical Connector(Ethernet)	RJ-45	RJ-45			MCSC Control Sol	tware (1)		
· ,	1.75 in x 19.0 in x 13.7 in					(indic. (1)		
ize (Height x Width x Depth)(nominal)	1.1 J III X 19.U III X 13./ IN	44.5 mm x 482.6 mm x 348 mm						
/eight	7.0 lb	348 mm 3.18 kg		Entorodi LV	Engineer ODU	Salaa: MI	Approved: FOD	Spor Numb
	1.010	0.10 Ng		Entered: LK	Engineer: CPH	Sales: ML	Approved: ECB	Spec Numb
				Date: 1/20/2016	Date: 1/20/2016	Date: 1/20/2016	Date: 1/20/2016	42000
				Date: 1/20/2016	Date: 1/20/2016	Date: 1/20/2016	Date: 1/20/2016	43990
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[6]								

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