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TECHNOLOGY GROUP

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Multi-channel ICP® Sensor Signal Conditioners

Multi-Channel ICP® Sensor Signal Conditioners







Model Number	483C05	482A20	483C50	483C30
Channels	8	8	8	8
Sensor Input Type(s)	ICP®, Voltage	ICP®	ICP®, Voltage	ICP®, Voltage, Charge
Gain	Unity	x1, x10, x100	x0.1 to x200	x0.1 to x200
Output Range	10 V	10 V	10 V	10 V
Low Frequency Response (-5%)	0.05 Hz [1]	0.225 Hz	0.05 Hz	0.05 Hz/0.5 Hz [4]
High Frequency Response (-5%) (Unity Gain)	1 MHz	50 kHz	100 kHz [1]	100 kHz [1]
Low Pass Filter	—	—	—	10k Hz [5]
Charge Input Sensitivity	—	—	—	0.1, 1.0, and 10.0 mV/pC
Electrical Isolation (Channel-to-channel Signal Grounds)	—	—	—	Selectable
Fault/Bias Monitor	Open/Short/Overload LEDs	Fault/Overload LEDs	Open/Short/Overload LEDs	Open/Short/Overload LEDs
Front Display/Keypad	—	Keypad only	—	—
Digital Control Interface	—	—	Ethernet	Ethernet
Temperature Range	+32 to +120 °F 0 to +50 °C	+32 to +120 °F 0 to +50 °C	+32 to +120 °F 0 to +50 °C	+32 to +120 °F 0 to +50 °C
Excitation Voltage	+26 VDC	+24 VDC	+24 VDC	+24 VDC
Constant Current Excitation [2]	0 to 20 mA	2 to 20 mA	2 to 20 mA	2 to 20 mA
DC Offset maximum	20 mV	50 mV	50 mV	50 mV
Broadband Electrical Noise (Gain x1) [3]	3.5 µV rms	10 µV rms	10 µV rms	10 µV rms
Input/Output Connectors	BNC Jacks	BNC Jacks	BNC Jacks	BNC Jacks
Size	1.72 x 19 x 13.5 in 4.4 x 48.3 x 34.3 cm	10.5 x 4.25 x 6.2 in 26.7 x 10.8 x 15.8 cm	1.75 in x 19 in x 13.5 in 4.4 cm x 48.3 cm x 34.3 cm	1.75 in x 19 in x 13.5 in 4.4 cm x 48.3 cm x 34.3 cm
Weight	6.25 lb 2.83 kg	6.1 lb 2.8 kg	7 lb 3.2 kg	8 lb 3.6 kg
Supplied Accessories				
Power Cord	017AXX	017AXX	017AXX	017AXX
MCSC Control Software	—	—	EE75	EE75
Additional Versions				
Internal Jumper Selectable x1, x10, x100 Gain	483C15	—	—	—
Unity Gain Only, No Options	—	—	498A01	—
8 to 1 Output Switching	—	482A18	—	—
210 to 250 VAC Powered	—	F482A20	—	—
Notes				
[1] -3dB point [2] User adjustable, factory set at 4 mA [3] Typical [4] ICP® input is 0.05 Hz, charge input is 0.5 Hz [5] Filter can be enabled/disabled				

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