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AMP330
Technical Datasheet



Default parameters	
Bridge power supply	10V
Input	2mV/V
Output	0-10V and 4-20mA

Input wiring –Wheatstone Bridge (Connector Binder M8 female 768-718 Series)	
Pin 1	+ Excitation
Pin 2	- Measure
Pin 3	- Excitation
Pin 4	+ Measure

Output wiring (Connector Binder M8 male 768-718 Series)	
Pin 1	+Vin (14-26V)
Pin 2	Iout 4-20mA
Pin 3	0V
Pin 4	Vout 0-10V

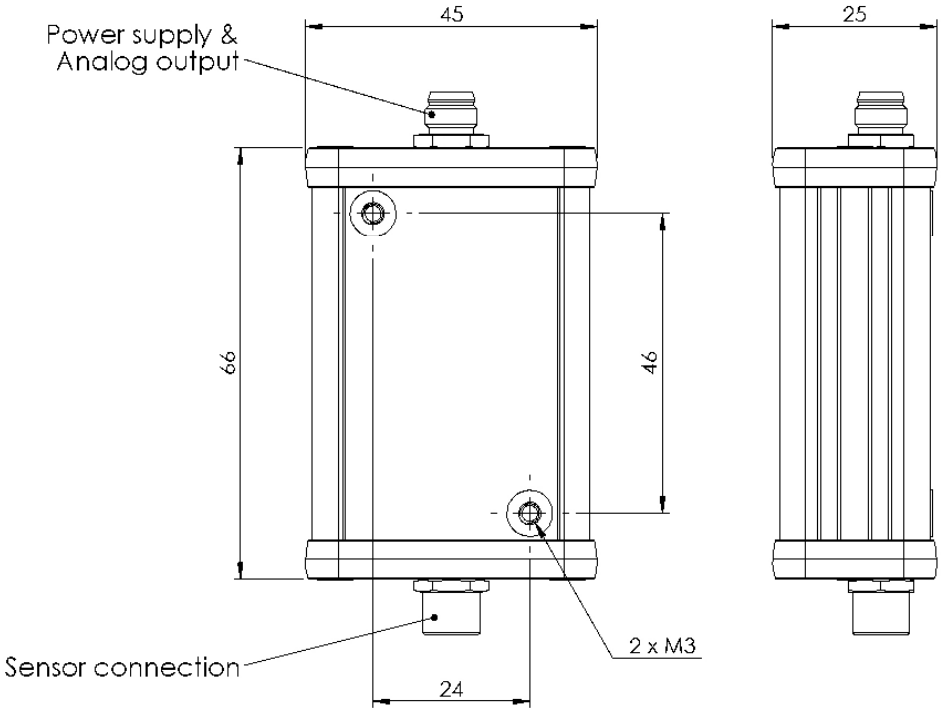
Mating connectors (Input/Output) are provided with AMP330 without any cable (on request).

Specifications

Environment				
Parameter	**Min**	**Typical**	**Max**	**Unit**
Operating Temperature	0		70	°C
Storage Temperature	-40°C		85	°C
IP Rating		IP31		

Electrical Specifications				
Parameter	**Min**	**Typical**	**Max**	**Unit**
Power Supply	14		26	VDC
Current Draw (2)		30		mA
Output Impedance (Voltage)		< 1 Ohms		Ohms
Output Impedance (Current)			700	Ohms
Sensor Impedance	100			Ohms
Bandwidth (3)	1000		10000	Hz
Common Mode Rejection Ratio	120			dB
Output Span Range	-10		10	% of Rated Output
Output Zero Range	-10		10	% of Rated Output
Gain Drift with Temperature	-25	X	25	PPM of FSR per degree Celsius
Gain Non- Linearity (Better than)	-0.01	X	0.01	% of FSR
Zero Drift with Temperature	-25	X	25	PPM of FSR per degree Celsius

(2) No Load Applied (Input or Output) - Power supply must source 150 mA minimum
(3) According ordered option (10kHz, only for sensor's sensitivity of 1 mV/V or greater)



WARNING: DO NOT CONNECT DEVICE TO POWER SUPPLY WHEN POWER SUPPLY IS ALREADY ON