



XN5

Strain Gauge Amplifier 4 Channels

Supply Voltage		7 to 16	V
Supply Current @ 12V		< 10	mA
-Amplifier only		100	
-4 bridges 120 Ohm		30	
-4 bridges 350 Ohm			
Bridge supply voltage (internal)		5	V
Bridge gauge impedance		120 to 1000	Ω
Output signal		0-5*	V
Output impedance		100	Ω
Parameters		Offset, Gain, Compensation	
Amp. Offset	by Tx/Rx **	0.4 to 4.6	V
Amp. Gain	by Tx/Rx	2.0 to 1000	V/V
Optional Gain	By resistor	1 to 10	V/V
Cut off frequency (1 pole filter)		max	Hz
		default	

Temperature measurement		Internal Temperature Probe (NTC) or external for remote application	
Offset drift with temperature		<10	mV
Gain drift with temperature		0.2	%
Temperature compensation	Amp. Offset	by self-learning in oven	
	Amp. Gain	digital PPM (linear)	
Max initial recommended bridge unbalance		± 50	mV
Dimensions	XN5	41.5 x 17 x 4	$\varnothing 2.2$ mm
Material		PCB	
Weight (without cable)		≤ 10	g
Vibration test		20Gpp 5'	
Shock		500	G
Accuracy Temp		-20 to +125	$^{\circ}\text{C}$
Operating Temp		-40 to +125	$^{\circ}\text{C}$
Storage Temp		-40 to +125	$^{\circ}\text{C}$

