

IN-ASG_PGA-000

Strain gauge amplifier



Key Features:

- Adjustable gain/offset/bridge voltage

Technical specifications

Electrical characteristics			Mechanical characteristics		
Power supply range	V DC	Stabilized 5	Dimensions	mm ³	15x35x10
Max. supply voltage	V	5	Weight	g	33
Current consumption (without bridge supply)	mA	1.5	Connections		
DMS application			DMS line		
Bridge supply voltage	V DC	0.83 * power supply	Cable length	mm	500
Max. current (short-circuit)	mA	50	Connector		Binder 719, 4PF shielded
Bridge resistance	Ω	100...1000	Signal line		
DMS input filter frequency (-3 dB)	Hz	Differential..... 850	Cable length	mm	500
Possible gain		10...1000	Connector		Binder 719, 5PM
2 level bridge adjustment			Vibration resistance		
Bridge offset voltage range		29 stages	Shock	G	40
Fine adjustment	V	0...5		ms	10
Environmental data			Vibration tested at		
Ambient operating range	°C	-10...+75		G	12
				Hz	1000

Ordering information

Strain gauge amplifier; for programming IN-Prog_SG-000 needed

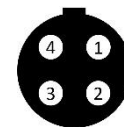
Art. No.

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Connector layout

DMS, Binder 719, 4PF, shielded

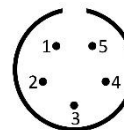
Pin	Name	Description	Color
1	V-		black
2	V+		red
3	Sig-		green
4	Sig+		white



front view

Signal, Binder 719, 5PM

Pin	Name	Description	Color
1	GND	Ground	black
2	+5V	Power supply	red
3	n.c.	Not connected	
4	Prog	Program	green
5	Sig	Signal	white



front view