

## IN-ASG\_PGA-001

## Strain gauge amplifier



### Key Features:

- Adjustable gain/offset/bridge voltage

### Technical specifications

Electrical characteristics			Mechanical characteristics		
Power supply range	V DC	6... 12	Dimensions	mm <sup>3</sup>	15x35x10
Max. supply voltage	V	14	Weight	g	33
Current consumption (without bridge supply)	mA	1.5			
DMS application			Connections		
Bridge supply voltage	V DC	5	DMS line		
Max. current (short-circuit)	mA	50	Cable length	mm	500
Bridge resistance	Ω	100...1000	Connector	Binder 719, 4PF shielded	
DMS input filter frequency (-3 dB)	Hz	Differential..... 850	Signal line		
Possible gain	10...1000		Cable length	mm	500
2 level bridge adjustment			Connector	Binder 719, 5PM	
Bridge offset voltage range	29 stages				
Fine adjustment	V	0...5	Vibration resistance		
			Shock	G	40
				ms	10
Environmental data			Vibration tested at	G	12
Ambient operating range	°C	-10...+75		Hz	1000

### Ordering information

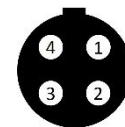
Strain gauge amplifier; for programming IN-Prog\_SG-001 needed

 Art. No.  
IN-ASG\_PGA-001

### Connector layout

#### DMS, Binder 719, 4PF, shielded

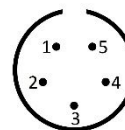
Pin	Name	Description	Color
1	V-		black
2	V+		red
3	Sig-		green
4	Sig+		white



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