

2D Debus & Diebold Meßsysteme GmbHAlte Karlsruher Straße 8D-76227 KarlsruheTel: +49 (0) 721 944 85-0Fax: +49 (0) 721 944 85-29E-Mail: mail@2d-datarecording.com

IN-ASG_PGA-001

Strain gauge amplifier



Key Features:

> Adjustable gain/offset/bridge voltage

Technical specifications

Electrical characteristics			Mechanical ch
Power supply range	V DC	612	Dimensions
Max. supply voltage	V	14	Weight
Current consumption	mA	1.5	
(without bridge supply)			Connections
			DMS line
DMS application			Cable length
Bridge supply voltage	V DC	5	Connector
Max. current (short-circuit)	mA	50	Properties
Bridge resistance	Ω	1001000	Signal line
DMS input filter frequency (-3 dB)	Hz	Differential 850	Cable length
Possible gain		101000	Connector
2 level bridge adjustment			
Bridge offset voltage range		29 stages	Vibration resis
Fine adjustment	V	05	Shock
Environmental data			Vibration tested
Ambient operating range	°C	-10+75	

Mechanical characteristics		
Dimensions	mm³	15x35x10
Weight	g	33
Connections		
DMS line		
Cable length	mm	500
Connector		Binder 719, 4PF
Properties		shielded
Signal line		
Cable length	mm	500
Connector		Binder 719, 5PM
Vibration resistance		
Shock	G	40
	ms	10
Vibration tested at	G	12
	Hz	1000

Ordering information

Strain gauge amplifier; for programming IN-Prog_SG-001 needed

Art. No. IN-ASG_PGA-001

Connector layout

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

Pin	Name	Description	Color	$\langle \rangle$
1	GND	Ground	black	15
2	+5V	Power supply	red	
3	n.c.	Not connected		2• •4
4	Prog	Program	green	3 front view
5	Sig	Signal	white	front view

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2D Debus & Diebold Meßsysteme GmbH http://www.2D-datarecording.com mail@2D-datarecording.com