



**aim arnold intelligente messsysteme**



**Two Channel Bridge Amplifier  
DualBridgeAmp**

DualBridgeAmp		
Type	Unit	Value
<b>Power supply</b>		
Supply voltage	V	9...18
Current consumption at 350Ω Bridge	mA	≤35
<b>Amplifier input</b>		
Configurable bridge sensitivity*	$\frac{mV}{V}$	1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8
Bridge resistance (channels in sum, parallel)	Ω	80...600
Bridge excitation voltage	V	2.048 or 4.096
Cut-off frequency (-3db)	kHz	≥20
<b>Output signal</b>		
Signal range	V	0...2.5...5
Zero-Offset-Level	V	1.5/2.5/3.5
Gain accuracy	%	typ. 0.35
<b>Dimension and wiring</b>		
Overall dimension	mm	72x32x10(lxwxhx)
Weight	g	127
IP Code	-	IP67
Cable length power supply and output signal**	cm	200
Cable length amplifier input each**	cm	20
Connectors amplifier input**	-	Binder 712 7-Pin, male
* Full-scale amplitude(± 2.5V) results by disrupting the bridge to the configured bridge sensitivity		
** Customer specific		

# Two Channel Bridge Amplifier

## DualBridgeAmp

The strain gauge amplifier DualBridgeAmp has two independent and freely configurable amplifier channels for strain gauges. Due to the small design and the numerous adjustment options, the amplifier can be used for various applications.

- Bridge sensitivity adjustable in 10 steps
- Three Zero-Offset-Level
- Full- and half bridge switchable
- USB-Infrared interface for communication
- Easy setup due to intuitive user interface
- Auto Offset at three different voltage levels
- LED indication for each channel to show the current output voltage directly at the amplifier
- Two independent and freely configurable amplifier channels
- Two voltages selectable for the bridge supply
- Configuration is retained even after removal of the supply voltage
- Robust, anodized and splash-proofed aluminium housing



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