

Product Description

Portable Strain Gauge Amplifier PAD2

Special Features

- Peak value memory
- Overload display (also in the minus range)
- Display can be tared

Scope of Supply

- Strain gauge amplifier with digital display
- incl. 4 batteries (AA)
- Transducer connector
4 digit circular connector DIN

Also Available

- Force sensor with cable



Application

The PAD2 can be connected to all force sensors of the *HAEHNE* product program and other full bridge strain gauge sensors to form a mobile force measurement system.

For use:

- in roll pressure applications,
- service and process improvement,
- calibration of web tension control systems

The PAD2 is a portable and universally usable force measurement amplifier with a digital display. The sampling frequency can be adjusted in the range of 10 Hz (slow), 20 Hz (medium) and 100 Hz (fast). The calculation of averages for the display is done corresponding to the sampling frequency in 0.5; 0.2 or .01 seconds.

The operation of the PAD2 is made via a plastic foil keypad. With a keystroke the display can be tared or the positive or negative peak values displayed. The measurement values are displayed with seven digits and \pm signs.

Technical Data	
Enclosure protection	IP40
Input	for sensors with resistance of strain gauge from 100 Ω to 1k Ω
Display	12 digits LCD / contrast 10-100 %
Modes of display	Instantaneous value Peak hold Overload display (also in the minus range) Battery check
Display rate	2 Hz (slow), 5 Hz (middle), 10 Hz (fast)
Sampling rate	10 Hz (slow), 20 Hz (middle), 100 Hz (fast)
Power Supply	
Supply voltage	3,3 V (4x Typ AA)
Temperature Range	
Operating temperature range	0...+50 °C
Storage temperature range	-20...+70 °C
Electrical Connections	Transducer connector 4-pin circular connector DIN



Dimensions

145 x 78 x 44 mm (l x w x h)

Sensor Connection (Plug)		
Lead color	Pin no.	
gelb	1	+V ₄
weiß	2	+V ₁
braun	3	-V ₄
grün	4	-V ₁
V ₁ : Signal voltage V ₄ : Supply voltage		

Ordering example:

PAD2
+ desired sensor