

Portable Strain Gauge Amplifier PAD2

Scope of Supply

Strain gauge amplifier with digital display,
Transducer connector,
(4 digit circular connector DIN)

Also Available

Force sensor with cable



Special Features

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

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

It 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.

Ordering example:

PAD2
+ desired sensor

Technical Data

Power Supply	Batteries 4x type AA - not included
Sampling rate	10 Hz (slow), 20 Hz (middle), 100 Hz (fast)
Resolution	16 bit
Display	12 digits LCD, 2-line / contrast 10-100 %
Display rate	2 Hz (slow), 5 Hz (middle), 10 Hz (fast)
Modes of display	Instantaneous value Peak hold Overload display (also in the minus range) Battery check
Temperatur range	0...50°C
Enclosure protection	IP40
Analog Input	
Strain gauge supply voltage	3,3 V
Nominal resistance of strain gauge bridge	100 Ω to 500 kΩ
Nominal rating	0,5 ...2,00 mV/V
Electrical connection	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

V₁: Signal voltage V₄: Supply voltage