

Continuous Press Force Monitoring Device

PKM 2000



Technical features

- Cost-effective press force measuring device
- Can be mounted quickly and easily
- Easy to operate
- 2-4 measuring channels
- Memory for storing peak values
- Error storage
- With 2 piezo sensors including all cables required
- 100 - 240 VAC power supply

How it works

This device was specifically designed to continuously monitor and display the press force.

The force is recorded by piezo sensors that are mounted to either the press or tool.

The high-resistance charge amplifier transforms the charge transfer into an analog signal.

The peak value displayed is proportional to the force measured.

The limiting value for each channel is set using potentiometers on the front of the device.

The setting range is from 1 - 130 %.

The errors for each channel are displayed on a separate LED.

Should an error be recorded, the current overload value for both channels is saved to memory.

The luminous diode switches from green to red and the output relay is opened.

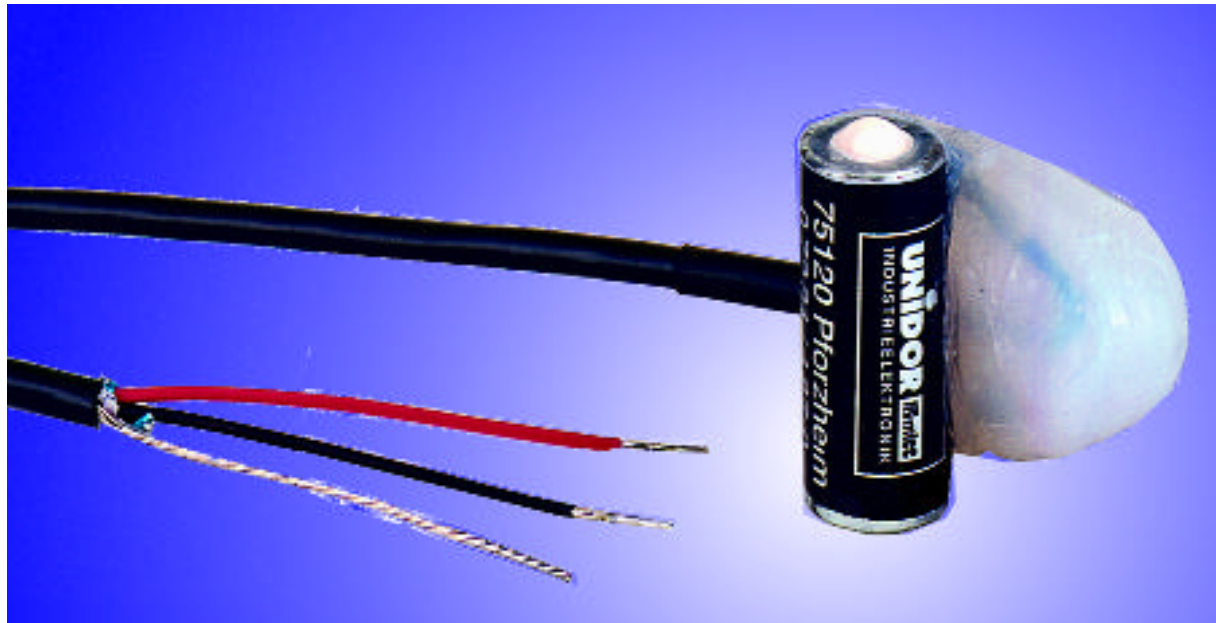
The error can be reset by using the "Reset" key.

A display value of 100% is simulated by pressing the "Test" key.

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Technical Data	Power supply:	100 - 240 VAC / 47 - 63 Hz
	Power consumption:	3.4 - 10.5 VA
	Temperature range:	0 - 60 °C
	Humidity:	max. 95% non condensing
	Contact load of cutoff relay:	250 VAC / 1A
	Input resistance of amplifier:	10 ¹³ ohms
	Output signal (analog):	47 ohms / 0 - 10 V via BNC socket (option)
	Output signal (digital):	relay opener press stop max. 250 VAC / 1A
	Dimensions (W x H x D):	265 mm x 150 mm x 262 mm
	Weight:	3.35 kg (without sensor)

Piezo Sensor



Order Information	PKM 2000	1050 1001 0000	Analog press force measuring device including 2 piezo sensors, mains cable, cable for connection to press, 2 screening cores
Accessories		5001 0101 0000	Piezo sensor JZT 127, 6 m cable
(can also be supplied separately)		6310 0107	2 screening cores
		6410 8509 0000	Cable for connection to press
		6410 8512 0000	Mains cable, length 1,5 m