

NAH 8254 20 KHZ

Highly dynamic pressure measurement

- Cut-off frequency 20 kHz
- For highly dynamic pressure curves
- Analogue signal processing
- Measuring accuracy 0.3 %
- Excellent long-term stability



Pressure transmitters for rapid changes in pressure NAH 8254 20 kHz

Swiss based Trafag is a leading international supplier of high quality sensors and monitoring instruments for measurement of pressure and temperature. A special combination of thin-film on-steel sensor element with the in-house developed ASIC enables high-dynamic measurements. Recording of highly dynamic pressure curves with the NAH 8254 in a small space is possible, e.g. in order to analyse the opening and closing performance of valves, track pressure curves of explosions and explosive pressure expansions or to examine brief pressure peaks in hydraulic systems.



Applications

- Measuring and test bench technology
- Machine tools
- Hydraulics
- Process technology

Features

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- For highly dynamic pressure curves
- Analogue signal processing
- Measuring accuracy 0.3 %
- Excellent long-term stability

Technical Data			
Measuring principle	Thin film on steel	Cut off frequency	20 kHz (rise time 18 μ s)
Measuring range	0 ... 2.5 to 0 ... 600 bar 0 ... 30 to 0 ... 7500 psi	Accuracy @ 25°C typ.	\pm 0.3 % FS typ.
Output signal	4 ... 20 mA, 0.5 ... 4.5 VDC ratiometric	Media temperature	-40°C ... +125°C
Rise time	18 μ s / 10 ... 90 % nominal pressure	Ambient temperature	-40°C ... +125°C (Cable PVC 22: -5°C ... +60°C) (Cable PUR 24: -40°C ... +70°C)

