



KSI84 – A New Series of 4-20 mA Vibration Sensors

4-20 mA Vibration Transducers

- Widely used in the industry for condition monitoring and production control
- Simple interface to PLCs and other control equipment





Metra's New KSI84 Series

- Precise piezoelectric sensing element (no MEMS)
- Microcontroller-based design
- Frequency and amplitude range programmed in production



Unique Choice: More than 250 Versions

- Models for acceleration, velocity and displacement
- RMS or peak output
- Selection tool at www.mmf.de

Home / Vibration Sensors

Measurand

- ☐ Acceleration (186)
- ☐ Displacement (6)
- ☐ Velocity (71)

Measuring mode

- ☐ RMS (147)
- ☐ Peak (110)
- ☐ Peak-peak value (6)

Measuring range

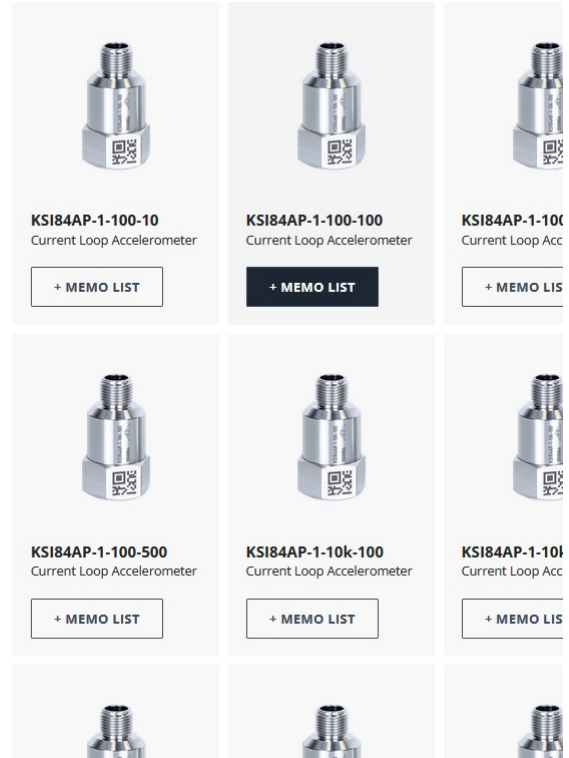
- ☐ 5 m/s² (12)
- ☐ 10 mm (1)
- ☐ 10 m/s² (26)
- ☐ 10 mm/s (7)
- ☐ 12.7 mm (1)
- ☐ 12.7 mm/s (7)
- ☐ 20 m/s² (28)

Lower frequency limit (3 dB)

- ☐ 1.5 Hz (66)
- ☐ 3 Hz (57)
- ☐ 10 Hz (68)
- ☐ 30 Hz (50)
- ☐ 100 Hz (13)
- ☐ 1000 Hz (9)

Upper frequency limit (3 dB)

- ☐ 0.1 kHz (54)





Type Codes

KSI84**A** models measure **Acceleration**

KSI84**V** models measure **Velocity**

KSI84**D** models measure **Displacement** (always peak-peak)

KSI84**AR** and KSI84**VR** models measure **RMS**

KSI84**AP** and KSI84**VP** models measure **peak**

KSI84xx-**1 -3 -10 -30 -100 -1k** high pass frequencies in Hz

KSI84xx-hp-**100 -300 -1k -5k -10k** low pass frequencies in Hz

KSI84xx-hp-lp-**10 -12 -20 -25 -40 -50 -100 -500** amplitude in m/s², mm/s or mm

Rugged Industrial Design

- Double shielding against EMI
- Isolated against ground loops
- IP68 protection grade
- Practical M12 connectors
- M8 mounting



KSI84 Family of 4-20 mA Transducers



Your Advantage

More than 250 different models in stock

Get the sensor that is most suited
for your application

