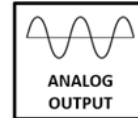




GENERAL SPECIFICATIONS

- RMS output option
- 4–20 mA analog output proportional to velocity
- Suitable for harsh environmental conditions
- IP67 high protection rating
- Long operational life
- Compact design
- High accuracy



ATS 10 Series sensors provide a 4–20 mA output proportional to vibration velocity, enabling continuous monitoring of overall machine vibration levels. This data informs users of changes in machine condition and supports the prioritization of maintenance activities. The RMS output option allows selection of the most suitable sensor for specific application requirements.



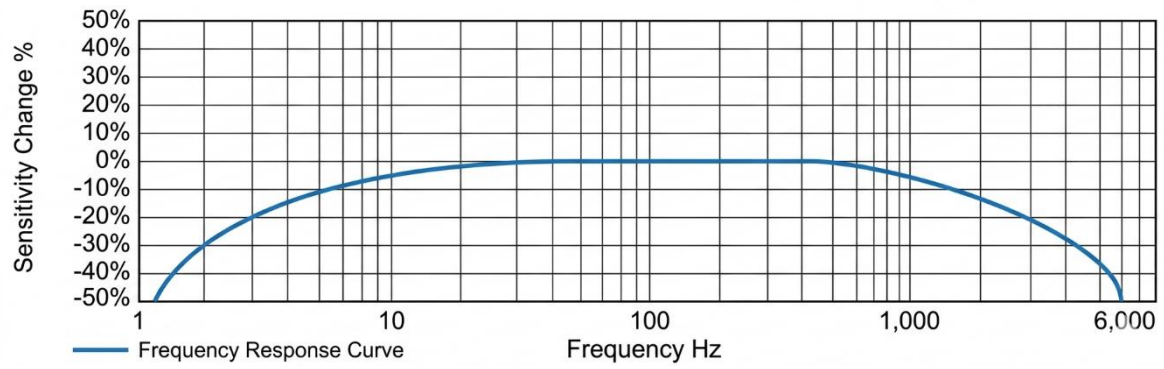
APPLICATIONS

- Fans
- Conveyor systems
- Gear reducers (gearboxes)
- HVAC systems
- Industrial dryers
- Mining industry
- Energy and infrastructure services
- Automotive industry
- Metallurgy and metal processing
- Building services

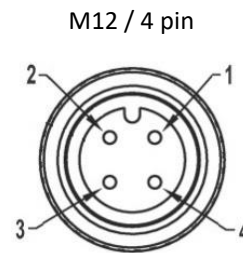
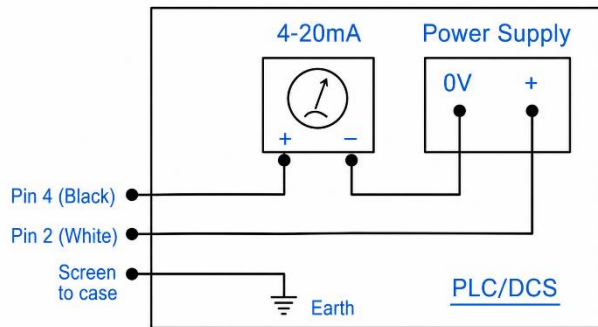
TECHNICAL SPECIFICATIONS

Analog Output	4–20 mA (proportional to velocity)
Supply Voltage	15...30 VDC
Mounted Base Resonance	Min. 5kHz
Velocity Ranges	0-10, 0-20, 0-25, 0-50, 0-100 mm/s
Sensor Type	PZT / Compression
Temperature Output	10mV/°C - 0-1V proportional to 0-100°C
Frequency Response	10Hz...1kHz ±5%
Mounting Torque	8 Nm
Electrical Connection	M12x1 4 pin
Mechanical Connection	M6x1 male, M8x1.25 male, M10x1.5 male ve 1/4x28 Female
Protection Class	IP67
Operating Temperature	-25°C ... +120°C
Weight	~100 g
Material	AISI 304L

FREQUENCY RESPONSE CURVE



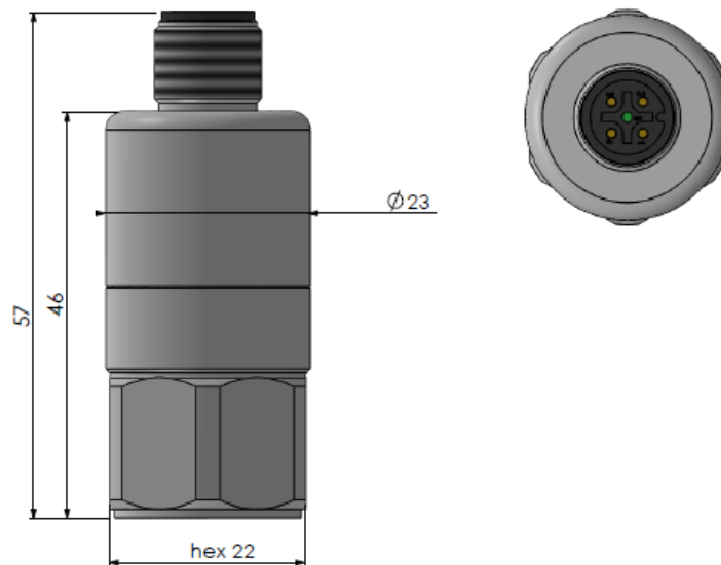
ELECTRICAL CONNECTION



Pin 2 +15...30 VDC (Supply Voltage)

Pin 4 4-20 mA (Sensor Current Output)

MECHANICAL DIMENSIONS (mm)



ORDER CODE

Model

ATS 10

A

010

M6

S95

-

Velocity Range (RMS)

010 : 0-10 mm/s
020 : 0-20 mm/s
025 : 0-25 mm/s
050 : 0-50 mm/s
100 : 0-100 mm/s

Mechanical Connection

M6 : M6x1 Male
M8 : M8x1.25 Male
M10 : M10x1.5 Male
1/4x28F : UNF1/4x28 Female

Output Signal

A : 4-20 mA

Electrical Connection

S177 : M12x1 4 pin (2 besleme, 4 çıkış)

Options

No Code: None
RTD: PT100 temperatur output
T: Temperature output
P: Peak range
PP: Peak to peak range

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