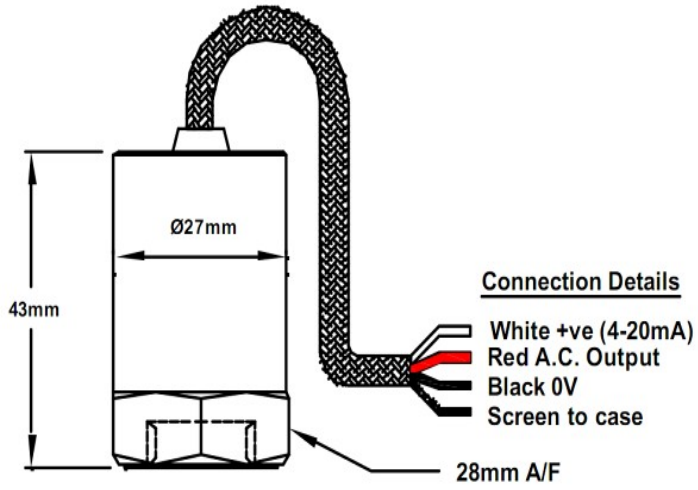
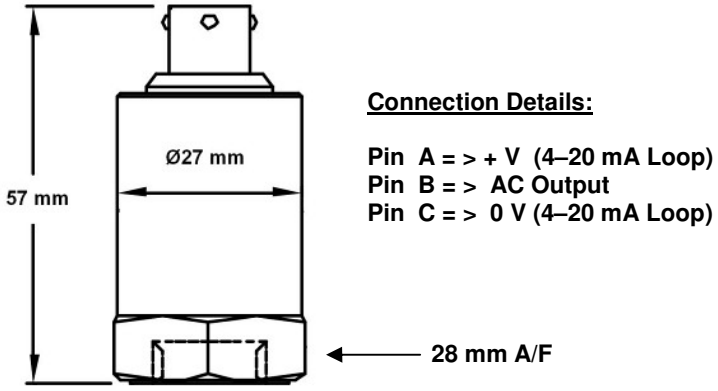
Attn：Smiling
Mobile/WhatsApp:+86 18050035902
E-mail: info@htechplc.com

Loop powered Accelerometer
Dual Output Accelerometer for
PLC Interface & Data Collection

APPLICATIONS

- Air handling units
- Building services
- Fans, pumps





TECHNICAL SPECIFICATION

Current Output	4-20mA proportional to RMS velocity (mm/s)
AC Output	AC voltage proportional to acceleration (g)
Frequency Response	2 Hz to 1 kHz ±10% -3 dB at 0.8Hz for AC output
Measurement Range	See table below
Dynamic Range	30g peak for 100mV/g: 60g peak for 50mV/g
Mounted Resonance	5 kHz min
Bias Voltage (AC output)	3 Volts
Isolation	Base isolated
Operating Temp Range	-25 to 90 ºC
Temperature Sensitivity	0.08%/ºC
Transverse Sensitivity	Less than 5%
Supply Voltage	12-32 Volts DC (4-20 mA)
Standard Cable	5 metres armoured PTFE
Case Material	Stainless steel
Weight	150 gms (nominal)
Sealing	IP67
Mounting Torque	8 Nm
Mating Connector	3 pin 62 GB for CT connection
Options	Ranges, connector, side exit cable, filters, mounting threads, other cable lengths, high temperatures.

Ordering Information

		Range in mm/sec	Connection	output	Mounting
VMD	**186**	10 (100 mV/g)	**AT** (armoured Cable top)	**CA** (Analogue mA +mV/g)	**S** (Standard M8)
		20 (100 mV/g)	CT (Connector top)		
		25 (100 mV/g)			
		50 (50 mV/g)			
		100 (50 mV/g)			

Standard Options highlighted

Mounting Accesories

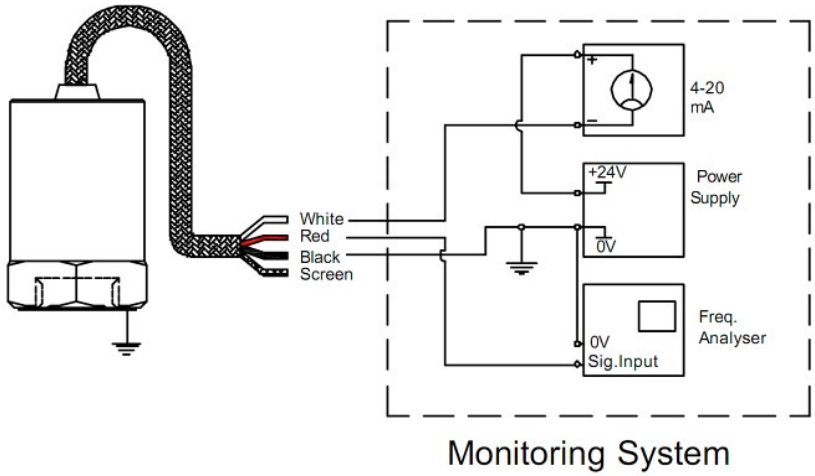
Studs and Grub Screws



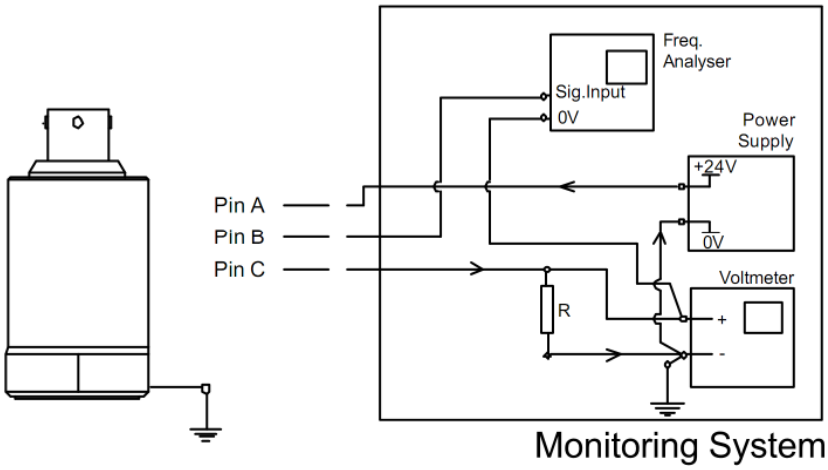
Male Studs		
Product Code	From	To
MS067	1/4" - 28 UNF	M8 x 1,25
MS068	1/4" - 28 UNF	1/4" - 28 UNF

System Connection

Cable Version (AT)



Connector Version (CT)



Notes: Rmax = 50(Vsupply - 12)

To avoid spurious signals the body of the sensor must be grounded by the machine or by a grounded connector shell. The monitoring system 0V should also be grounded.