

Alaron Vibration Transmitter

Alaron Vibration Transmitters

- Two Wire, Loop Powered
- 4-20 mA Output
- Easily Interface To Panel Meter, Data Logger, PLC or PC
- Rugged PZT Sensor
- NEMA 4X Stainless Steel Housing



The VT100 series is ideal for use with all types of rotating machinery. Continuously monitor machine vibration levels and locate problems before catastrophic failures occur. The transmitter easily mounts with a 1/4-28 stud (included).

SPECIFICATIONS

Accuracy	Better than 5%
Sensitivity	<0.003" / sec
Frequency Range	5 Hz to 1500 Hz
Supply Voltage	12 to 40 VDC unregulated
Isolation	800V circuit to case
Electrical Connector	Microfast high temp. & oil resistant
Temp. Range	-10 to 100°C
Shock	500G
Case	NEMA 4X Hermetically Sealed
Size	1.8" long x 1.1" dia.

ORDERING INFORMATION

VT100	Vibration Transmitter, 0 to 1"/sec. velocity w/o cable
VT200	Vibration Transmitter, 0 to 2"/sec. w/o cable
VT500	Vibration Transmitter, 0 to 5"/sec. w/o cable
WKB3T-3	10' cable with right angle connector
KB3T-3	10' cable with straight connector

Alaron Machine Condition Monitor



The VDS104 measures 4 channels of vibration, temperature or any 4-20mA sensor output. Each channel includes a 0-5V analog retransmit, 2 status LEDs, and 2 relay outputs with adjustable setpoint & delay. Unit is housed in a 12"x8"x6" NEMA 4X case with 4 line LCD display. Powered from 120/220VAC, the VDS104 will provide loop power to all 4 channels.

ORDERING INFORMATION

VDS104	Machine Condition Monitor
--------	---------------------------

Kobold Low Flow Sensor

- 0.4 to 400 GPH sizes
- Compact Size, Low Cost
- Resistant to Aggressive Media

The DPL Series is ideal for applications requiring accurate flow measurement of transparent liquid media. A paddle wheel turbine interrupts an internal infra-red beam to generate a frequency output proportional to flow. The sapphire axle and bearing system assures long service life.



SPECIFICATIONS

Detector	
Power:	4.6-16 VDC, 15mA max.
Output Sink:	18mA max.
Pull-up:	Internal 10kohm
Output Signal:	Frequency
Emitter LED:	
Supply:	15-50mA,
Forward Voltage:	1.2-1.5VDC
Wiring:	6 ft. PVC cable
Accuracy:	±5% of full scale

Wetted Parts

Body:	Polypropylene, sapphire, polysulfone
Seals:	Buna-N standard, Viton, EPDM optional

Fittings:	1/2" bsp standard, hose-barb 1/2" PVC optional
Max. Pressure:	145 PSIG
Temperature:	-40°F to 160°F
Protection:	NEMA 4X

ORDERING INFORMATION

Model	Range		Nom Freq. at max flow (Hz)	Max DP (PSI)
	GPH	oz/sec		
KO/DPL-1005	0.4 - 8.0	0.014 - 0.28	272	11
KO/DPL-1018	0.8 - 28	0.028 - 1.0	471	11
KO/DPL-1060	3.0 - 95	0.11 - 3.4	528	10
KO/DPL-1120	6.0 - 190	0.21 - 6.8	300	15
KO/DPL-1250	16 - 400	0.57 - 14	399	19

OPTIONS

-V	Viton seals
-E	EPDM seals
-S	Hose Barb fittings, 1/2" PVC
-F2	1/2 frequency
-F4	1/4 frequency
-F8	1/8 frequency
-C	±1.5% accuracy calibration