

Predictive Maintenance

Machine Vibration Monitoring DAQ

VimoNet X1
Single Channel

Feature



VimoNet X1 PRO
Single Channel

Feature



| | |
|---------------------------------|---|
| ▶ Sensor Input | BNC analog signal input connector with $\pm 5V$ or $\pm 10V$ Input range and IEPE power supply. |
| ▶ RJ-45 Interface | Connected to the computer through RJ-45 Ethernet cable |
| ▶ Overall Analog Outputs | Supports 0-10 V or 4-20 mA outputs for connecting to PLC or SCADA |

| Specification | | VimoNet X1 | VimoNet X1 PRO | |
|-------------------------------|-----------------------|---|--|--|
| Sensor Input | CH/ Range | 1 CH/ $\pm 5V$ (optional $\pm 10V$) | | |
| | Coupling | AC / DC / IEPE (4 mA , 20 V) | | |
| | Sampling Rate | 102.4 kS/s | | |
| | Impedance/ Resolution | 1 M Ω / 24 bits | | |
| | Input Type | 1 vibration signal | 1 vibration & 1 temperature input (DC, 24 bit) | |
| TTL Rotary-speed Input(3.3 V) | | 3.3V TTL (5k Hz Maximum) | | |
| Digital Output | | 1 set (4-20mA or 0-10V) | 2 sets (4-20mA or 0-10V) | |
| Relay | Number | 5 sets of alarms or 4 sets of alarms + 1 set of collision detection | | |
| | Rated power | 0.5 A, 30 VDC, 60 Vp | | |
| | Input Range | Response | <10 ms (collision detection < 1ms) | |
| | | Status | Normal open | |
| Data Transmission | | Ethernet, RJ45 x 2 pcs, 10/100 Mbps | Ethernet, RJ45 x 2 pcs, 10/100/1000 Mbps | |
| Storage | Storage | 32GB | | |
| | Type | Timewave, FFT, Overall | Timewave, FFT, Overall, True peak g | |
| | | Complying with: ISO-TR-17243, ISO-10816 | Complying with: ISO-TR-17243, | |
| | Operating Temperature | -10° ~ 60°C | ISO-10816 | |
| | Sizes | H99 x W35 x D114 mm | | |
| | Installation | DIN RAIL type | | |
| | Lights | Green: IEPE ON ; Red: Error | | |
| | Power | DC+24 V (8 W) | | |

