

# Predictive Maintenance

Machine Vibration Monitoring DAQ

**VimoNet X1**  
Single Channel

Feature



**VimoNet X1 PRO**  
Single Channel

Feature



|                                 |                                                                                                 |
|---------------------------------|-------------------------------------------------------------------------------------------------|
| ► <b>Sensor Input</b>           | BNC analog signal input connector with $\pm 5V$ or $\pm 10V$ Input range and IEPE power supply. |
| ► <b>RJ-45 Interface</b>        | Connected to the computer through RJ-45 Ethernet cable                                          |
| ► <b>Overall Analog Outputs</b> | 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 $\Omega$ / 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)                                            |                                                |
| Analog Output                 |                       | 1 set (4~20mA or 0-10V)                                             | 2 sets (4~20mA or 0-10V)                       |
| D.O.(Relay)                   | Number                | 5 sets of alarms or 4 sets of alarms + 1 set of collision detection |                                                |
|                               | Allowed Input Range   | 0.5 A, 30 VDC, 60 Vp                                                |                                                |
|                               | 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               | 32GB                                                                |                                                |
|                               | Type                  | Timewave, FFT, Overall                                              | Timewave, FFT, Overall, True peak g            |
|                               |                       | Complying with: ISO-TR-17243, ISO-10816                             |                                                |
|                               | Operating Temperature | -10° ~ 60°C                                                         | -10° ~ 70°C                                    |
|                               | Sizes                 | H99 x W35 x D114 mm                                                 |                                                |
|                               | Installation          | DIN RAIL type                                                       |                                                |
|                               | Lights                | Green: IEPE ON ; Red: Error                                         |                                                |
|                               | Power                 | DC+24 V (8 W)                                                       |                                                |

