

WISE-750SK

PHM Starter Kit



Features

- - Easy and scalable solution
- - Visible and measurable machine performance
- - Plug and play
- - Data transmission via Ethernet
- - Low power consumption

Introduction

The WISE-750 starter kit helps to quickly start testing prognostics and health management (PHM) applications, specifically targeting vibration sensing. The WISE-750 Starter Kit contains a vibration gateway, fan, and PHM software, providing you with data acquisition, vibration sensing, and efficient computing capabilities.

Specifications

Vibration Sensing*

- **Sensitivity** ± 80 mV/g
- **Measurement Range** ± 50 g peak
- **Frequency Range** 1~10kHz

Isolated Digital Input

- **Channels** 4, act as digital trigger
- **Input Voltage** Logic 0: 3 V max.
Logic 1: 10 V min. (30 V max.)
- **Isolation Protection** 2,500 V DC
- **Opto-Isolator Response** 100 μ s
- **Input Resistance** 3.2K Ω @1W

Isolated Digital Output

- **Channels** 4, act as alarm
- **Output Type** Sink (NPN)
- **Output Voltage** 5 ~ 40V_{DC}
- **Sink Current** 500mA max./channel
- **Isolation Protection** 2,500 V DC
- **Opto-Isolator Response** 100 μ s

Communication

- **Configuration** Udp commands via utility
- **Raw data** Udp via utility

General

- **Dimensions (W x H x D)** 40 x 133 x 98mm (1.57" x 5.24" x 3.86")
- **Power Consumption** Typical: 24V @ 70mA/Max.: 24V @ 130mA (without sensors connected)
Each PCL-M10 connected: +24V @ 30mA
- **Power Inputs** 10 ~ 30 V_{DC}
- **Weight** 470g

System Hardware

- **Indicators** LEDs for Power, Error and LAN (Active, Status)
- **LAN** 2 (1 MAC only for daisy-chain)

Environment

- **Storage Humidity** 5 ~ 95% RH, non-condensing
- **Operating Temperature** 0 ~ 60 °C (32 ~ 140 °F) @ 5 ~ 85% RH with 0.7m/s air flow
- **Storage Temperature** -20 ~ 80 °C (-4 ~ 176 °F)

Ordering Information

- **WISE-750SK-01A1** WISE-750 PHM Starter Kit

* For detail information, please refer to datasheet of PCL-M10