

Palert



Specifications

Output Resolution	: 16 bit
Algorithms	: Pd, PGA, Displacement, STA/LTA
Data Recording	: Via NTP or PC Utility
Frequency Response	: 0.05 ~ 20 Hz (with 10 Hz / 20 Hz digital filter)
Measuring Method	: Tri-axial MEMS accelerometer
Measuring Range	: $\pm 2g$
Communications	: Ethernet, RS-232, RS-485 (support Modbus protocol)
Time Synchronization	: NTP or PC Utility

Introduction

Palert is a network accelerometer with advanced P-wave alarm technology. It is embedded Pd technology developed by Prof. Yih-Min Wu of Nation Taiwan University to reduce earthquake damage.

Palert can issue an alarm within 3 seconds after detection of P-waves, regardless of whether the following shockwave is devastating or not. It offers four types of trigger algorithms: Pd, PGA, Displacement and STA / LTA for event determination.

Applications

EEWS (Earthquake Early Warning System)

Industrial disaster prevention

RSHD (Rapid Structural Health Diagnostic)

Environment

Power Consumption	: 3.5W@12VDC
Power Supply	: 10-30VDC
Weight	: 0.5 kg
Working Temperature	: -10 ~ +60°C
Dimension (WxLxH)	: 125 x 105 x 30 mm

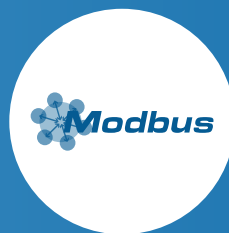
Features



2 Digital Outputs



IoT



Modbus Protocol



Support Both On-site
and Regional EEWS



Time Synchronization
via NTP or PC utility