

WAVELET EQUIPMENT MONITORING KIT

SUMMARY

Industrial assets require routine maintenance. Fixed-schedule repairs result in unnecessary technician site deployments. Alternatively, operators can develop proactive and predictive asset management capabilities through continuous online monitoring. Condition monitoring provides visibility of equipment health.

The Wavelet Equipment Monitoring Kit features the Wavelet data acquisition system, current transformers, and vibration sensors. This Kit is used to sense electrical inputs and outputs from equipment and identify problems associated with vibration.

FEATURES

- ▶ Continuous Condition Monitoring
- ▶ Redundant Communications
- ▶ Rugged Design

APPLICATIONS

- ▶ Reduced Downtime
- ▶ Prolonged Equipment Lifetime
- ▶ Prevent Hazardous Conditions

SENSOR SPECIFICATIONS

A. Vibration Sensor

| | |
|------------------------------|---|
| Full Scale | 25.4 mm/s (1 ips). Other ranges available upon request. |
| Accuracy | 2% of full span |
| Operating Temperature | -40°C to 100°C (-40°F to 212°F) |

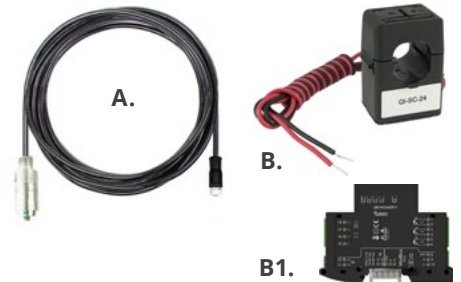
B. AC Current Transformer (Primary 100A, Secondary 5A)

| | |
|------------------------------|--|
| Input Current | 0 – 100 Amp AC. Other ranges available upon request. |
| Overload | 160 Amp AC |
| Rated Frequency | 50/60 Hz |
| Rated Voltage | 0.66 kV |
| Accuracy | ≤ 1.5% of span |
| Operating Temperature | -15°C to 45°C (5°F to 113°F) |

ACCESSORY SPECIFICATIONS

B1. Three-Phase Power Analyzer (used with B.)

| | |
|------------------------------|---|
| Power Supply | 10-40 VDC or 18-28 VAC - 50/60Hz |
| Voltage Input | Direct connection up to 500V RMS max. (40-70Hz) |
| Accuracy | Voltage: ±0.5% RDG; Current ±0.5% RDG; Active & Reactive Power: ±0.5% RDG |
| Operating Temperature | -10°C to 60°C (14°F to 140°F) |



Model No. WA0111-SE00066-SE00066-SE00094-SE00094-SE00094-WA00134-WA00158

Wavelet Equipment Monitoring Kit includes:

- Wavelet Device & Activator
- 4G (LTE), 3G, 2G Global SIM Card
- Internal Lithium Battery
- Installation Hardware
- External Power Connector
- **WA00158** 2-Port Analog Cable Splitter
- **A. SE00066** Two (2) Seismic Velocity Sensors, General Purpose, 25.4 mm/s (0-1 ips), 1/4 - 28" Mounting Stud, Magnetic Mounting Base, 5 m (16-ft) Armored Cable
- **B. SE00094** AC Current Transformer (Primary 100A, Secondary 5A), Split Core 2.4 cm (0.9 inch.) Window, 1 m (3-ft) Cable
- **B1. WA00134** Three-Phase Power Analyzer