

LOW COST, HIGH INTEGRITY SIGNAL CONDITIONING

The Aegis monitoring system provides continuous monitoring without the need for operator intervention, it's 'Fit and Forget' design is ideal for machinery protection without costly false alarms.



Reduce Maintenance Costs and Increase Plant Productivity

MO9600 Series Monitoring System is a modular lost signal conditioning system which is primarily intended for plant Condition Monitoring functions. It is ideally suited to applications where continuous monitoring of machinery is required to prevent deteriorating condition causing expensive collateral damage and eventually complete breakdown.

Where periodic Condition Monitoring is performed by the use of off line portable data collectors MO9600 Series can provide economical, continuous protection for plants from rapidly developing faults that can occur between surveys.

Modular Construction

Each Monitor fits either a 19" or 10.5" standard rack with a common display module that can show the current measured level of any channel and it's alarm settings.

- Monitors vibration, temperature, shaft speed, axial displacement, thrust and element bearing condition
- Suitable for use on all types of rotating machines - motors, pumps, fans, turbines, compressors, mills etc.

System features

- LED high visibility numeric display
- Front panel LED annunciation of alarms
- Calibration check facility
- Alarm attenuation facility (for run-up purposes)
- Remote alarm reset facility
- Alarms can be normally open or closed, latching or non-latching with normally energised or de-energised relays.

Each Monitor Module Features

- Dual level, adjustable alarms, suitable for warning or trip functions
 - Analogue outputs for trending or recording purposes (typically 4-20mA) Isolation optional
 - System integrity alarm
 - Individual power supply 110/240v AC or 24Vdc
 - Buffered raw transducer signal presented on front panel BNC for analysis purposes
- The Aegis system has been designed and extensively tested to provide effective reliable monitoring without the generation of false alarms or the need for ongoing operator intervention.



MO9601 Vibration Monitor Module

- Accepts inputs from accelerometers, velocity transducers or eddy current probes
 - Adjustable alarms (alert and trip) with or without time delays
 - Integrity alarm
 - Analogue outputs - range adjustable on site
 - Band pass filters - frequencies field selectable
 - Monitors in acceleration, velocity or displacement
- For more information see Data Sheet DS1112



MO9602 Rolling Element Bearing Monitor

- Accepts inputs from bearing damage transducer
 - Adjustable level alarms
 - Output proportional to bearing condition, independent of speed, load and type
 - Warns of bearing lubrication failure
 - Analogue outputs
- For more information see Data Sheet DS1117



MO9603 Thrust (Axial Position) Monitor Module

- Accepts inputs from eddy current probe
 - Adjustable alarms (alert and trip)
 - Field selectable displacement range with zero adjustment in situ.
 - Analogue outputs
- For more information see Data Sheet DS1116

MO9605 Temperature Monitor Module

- Accepts inputs from RTDs
 - Adjustable alarms (alert and trip)
 - Field selectable temperature range (Celsius or Fahrenheit)
 - Analogue outputs
- For more information see Data Sheet DS1114

MO9608 Speed Monitor Module

- Accepts inputs from many transducer types
 - Adjustable alarms (suitable for overspeed trip)
 - Field selectable speed range
 - Analogue outputs
 - Automatic trigger threshold
- For more information see Data Sheet DS1115

MO9609 LVDT Monitor Module

- Accepts inputs from any LVDT
 - Adjustable alarms (alert and trip)
 - Field selectable displacement range
 - Zero and gain adjustment
 - Analogue outputs
- For more information see Data Sheet DS1113

Enclosures



Sensonics can also supply enclosures or housings for the equipment racks.

These can be:

- Floor standing, wall mounted or carrying case
- IP55 or IP65 sealed
- With glazed lockable front door
- Fully wired with terminals or to accept signal cables directly onto rack terminals.

Equipment Racks

- Standard 19" rack holds 12 Monitor Modules and 1 display or 14 monitors.
- 10.5" rack holds 5 Monitor Modules and 1 display or 7 monitors.
- Can be supplied with panel mounting kit.
- Connections made by detachable terminals on rear of rack

MO9699 Display Module

High visibility LED display; choose 3 1/2 or 4 1/2 digits with calibration check facility and remote alarm attenuation facility.

