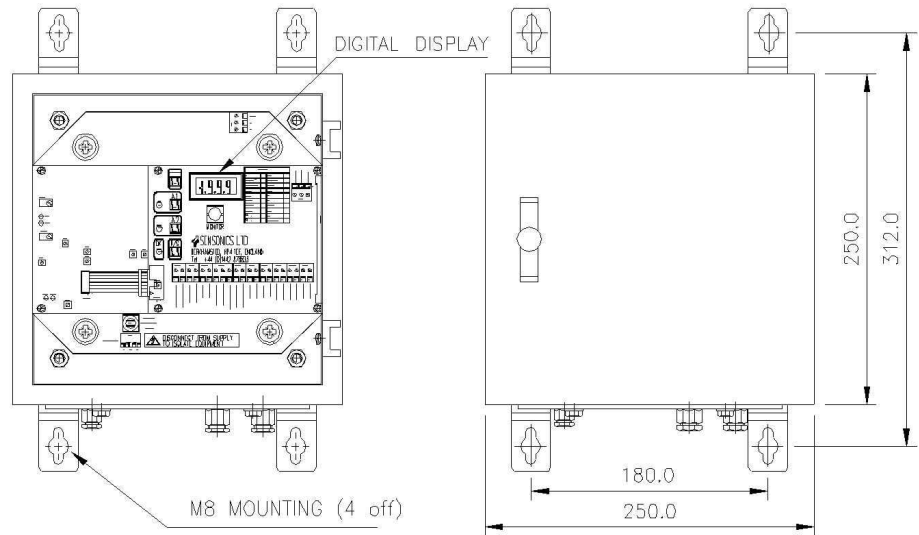




ME9602 – ROLLING ELEMENT BEARING MONITOR



- ACCEPTS INPUTS FROM BEARING DAMAGE TRANSDUCER (PZA4).
- DETECTS BEARING DAMAGE AND BAD LUBRICATION.
- OUTPUTS PROPORTIONAL TO BEARING CONDITION.
- ANALOGUE OUTPUT (4-20mA).
- ALARM RELAYS.
- DUAL ADJUSTABLE LEVEL ALARMS.
- MODULE SELF CONTAINED IN AN IP.66 WALL MOUNTING ENCLOSURE WITH INTEGRAL DISPLAY.

The ME9602 rolling element bearing monitor is designed to accept the inputs from piezo accelerometers and will monitor bearing condition in hostile, remote or inaccessible positions.

It is ideally suited to applications where constant surveillance is required to protect bearings against sudden deterioration in condition and avoid costly breakdowns.

The monitor uses only the highest quality components and has been extensively type tested to ensure effective monitoring without spurious alarms.

ME9602 – ROLLING ELEMENT BEARING MONITORING ENCLOSURE

The monitor is housed in an IP66 wall mounted enclosure. The level of the channel is brought up on the internal display in engineering units, by depressing the 'level' button after initial system power-up. Alarm levels are displayed by pressing and holding the A1 or A2 buttons.

The monitor has its own PSU for increased system integrity, an internal BNC presenting the transducer buffered raw signal and a calibration check facility.

Three off volt free change over relays are provided, A1 and A2 level alarms, and A3 Transducer/PSU integrity. The status of A1 and A2 are indicated on the display panel by red LED's illuminating when the alarms are initiated. The A3 alarm is annunciated by a normally lit green LED in the display panel, this Transducer/PSU integrity alarm is able to inhibit A1 and A2 relays when in the Alarm State. A time delay of up to 5 seconds can be applied to alarms and is strongly recommended when the unit is used for trip purposes.

The monitoring mode, (A, V or D and peak or RMS) scaling and filters can be field set by the positioning of on board switches.

One current and one voltage output are available for recording/analysis purposes at the terminal blocks on the display panel.

TECHNICAL SPECIFICATION

Input Sensonics Bearing Damage Transducer (PZA4).

Outputs 1X Current (4-20mA) others available.
1X Voltage (0-1V, 0-10V, 1-5V or Buffered Raw Signal)
Available at the terminal blocks on the display panel.
Also Buffered Raw Transducer Signal available on display panel BNC.

Alarms A1 Field adjustable level alarms (positive or negative going)
A2 Field adjustable level alarms (positive or negative going)
A1 & A2 Field adjustable to be: Normally Open or Closed
 Latching or Non-latching
 Normally Energised or De-energised.
A3 PSU integrity alarm.

All alarms have display panel LED annunciation, and have relays rated to 0.5A @

110VAC and can have delays of up to 5 seconds.

DS1121



Sensonics Ltd
Northbridge Road
Berkhamsted
Herts, HP4 1EF
United Kingdom
Tel: +44 (0)1442 876833
Fax: +44 (0)1442 876477
www.sensonics.co.uk