



MODEL SME-2460-S

MICROPROCESSOR BASED VIBRATING WIRE READOUT UNIT

FEATURES

- * Rugged design.
- * Double line alphanumeric display.
- * Rechargeable pencil cell operation.
- * Internal Real -Time clock.
- * Battery Backed 64 KB Memory.
- * RS-232 Communication Port
- * Most Compact size.
20 cm (L), 7.5 cm (H), 15cm (D)

DESCRIPTION

Model SME 2460-S is vibrating wire type readout unit which is modified version of old readout unit. It is designed for use with all SME make vibrating wire sensors in all kind of weather. The SME 2460-S read out unit has double line alphanumeric LCD. The first row is for data display and second row is for date & time display.

It has memory of 750 sensors. It can read and display readings and can store all readings in memory. The indicator can read and display data in Time Period, Frequency, Frequency square, or directly in Engineering unit like Ton, kg/cm², mm, cm, m, Degree centigrade, Degree & Micro strain etc. Storage of the reading and measurement is done through a simple 16 position membrane Key Pad. Each stored reading is identified by a reference number. Selection of serial number is done through Key Pad. One useful feature of this Indicator is its ability to see the last data of any sensors. This helps the user on site evaluation of the readings and the early detection of damage.

The programming mode permits the users to program the indicator for taking the sensors data directly in engineering units by feeding the sl. no. of sensor, K factor, zero reading, Engineering unit etc. up to a maximum of 2500 readings of different sensors.



SPECIFICATION

Excitation Range	:	400 Hz to 6000 HZ , 5V square wave
Measurement resolution	:	0.5 ms
Memory	:	64 K. EPROM
Reading storage	:	Approx 2500 data in engineering mode with time & date.
Real time clock	:	A real time clock is provided and data will be stored with time & date. RTC is battery backed and will keep the record even if the indicator is kept off. RTC time keeping accuracy is ± 1 min per month.
Display	:	LCD dot matrix alphanumeric display 16 character x 2 lines
Temperature range	:	0-45°C.
Battery	:	1.2 Vx 1300 mah rechargeable Nickel Cadmium pencil cells 8 nos.
Operating time	:	20 hours when fully charged cells.
Measurement parameter	:	Basic measurement is time period (in m.sec.), frequency (Hz) & frequency square can be seen directly. For engineering unit display programming of indicator is needed. In engineering unit mode data can be seen in Strain, ksc, °C. tons, mm & cms.
Communication port	:	RS 232C provided for down loading the data.
Key board	:	16 key sealed membrane key pad. Keys are multiple functions.
Dimensions	:	232 mm (W) x 192 mm (H) x 111 mm (D) ABS Plastic housing in carrying case with belt.
Weight	:	1.40 kg approx

Due to continuous development program the specification and dimensions are subject to change without notice. Our engineers do undertake the work for development as per the customer's requirement.

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