ERROR MESSAGES

During operation, the instrument may display three types of error messages:

- **Fatal:** Instrument requires immediate servicing. Error message remains displayed until instrument is turned OFF.

- **Recoverable:** Instrument needs to be reset by turning the rotary dial to a different setting (this removes the error message). If this error appears repeatedly, instrument requires servicing.

- **Harmless:** Informational only. Error message is displayed for one second and disappears. If this error appears repeatedly, instrument requires servicing.

Error #	Error Type	Error Description
00		Microcontroller ROM check sum
01		Hardware error tbd
02		Hardware error tbd
03	Fatal	DSP error
04	Fatal	Hardware error: unexpected interrupt
06	Harmless	Watchdog autoreset
07	Harmless	Stack overflow
08	Fatal	RTC communication
11	Harmless	FlashROM: options checksum
12	Fatal	FlashROM: constants checksum
13	Fatal	FlashROM: calibration factors checksum
14	Recoverable	FlashROM: Modbus base registers checksum
15	Fatal	FlashROM: frequency list checksum
16	Fatal	FlashROM: DSP programs checksum
17	Harmless	FlashROM: sweep frequency checksum
18	Fatal/recoverable	FlashROM: battery constants checksum
19	Recoverable	FlashROM: data records sectors*
21	Fatal	Accu zero calibration
30	Recoverable	Measurement stop: NMI
31	Recoverable	Measurement stop: high voltage on inputs
32	Recoverable	Measurement stop: voltage overrange
33	Recoverable	Measurement stop: current overrange

∗ Deleting stored records from the instrument memory should remove this error.