The LM-SS is a low-cost, high-performance sensor readout unit with integrated datalogger.

The sensor sensitivity can be programmed into the LM-SS such that the readout will show calibrated engineering units, rather than millivolts or microvolts.

Use of the datalogger functions and programming the sensor sensitivity, requires a USB interface which is used to connect the LM-SS to a PC.

The LM-SS accommodates many sensors including E20, LP02, SR11, PSP, LI-200S, CM3, E90, LI-190S, LI-210S, E30, PIR, TUVR, CM4, CMP series, SP-Lite, NR-Lite, PAR Lite, CUV4 and other sensors with low signal outputs.

**Specifications:**

- **A/D conversion:** 16 bits
- **Full scale input:** ±6.25mV  ...  ±200mV
  
  Resolution: 10 µV (±200mV; ±100mV; ±50mV)
  Resolution: 1 µV (±25mV; ±12.5mV; ±6.25mV)

- **Basic accuracy:** 0.1%
- **Temperature sensitivity:** < 0.5% over the full temperature range
- **Offset drift:** < 3 µV over the full temperature range
- **Operation temperature range:** -10 .. +40 °C
- **Storage temperature range:** -20 .. +60 °C
- **Relative humidity:** < 95% RH non-condensing
- **Input circuit:** > 2 MOhm
- **Input low-pass filter:** 5 Hz
- **Input connectors:** 2 x 4mm banana plug
- **Display:** LCD 4 digits with sign
- **Decimal dot position (programmable):** 8888 or 888.8 or 88.88 or 8.888
- **Display update:** At least 1 per second
- **Computer interface:** USB 1.1 / 2.0
- **Supply current:** < 2 mA
- **Batteries:** 2 AA alkaline
- **Battery life (alkaline):** > 600 hours (25 days) continuous use
- **Data logger memory:** 3518 samples
- **Data logger storage interval:** 2 .. 65535 seconds
- **Logged information:** Min, max and average over log interval
- **Software compatibility:** Windows 2000, Windows XP, Windows Vista
- **Accessory:** Carrying case included