

Specifications

TECHNICAL SPECIFICATIONS

Operating environment: 32°F (0°C) to 122°F (50°C) <75% RH

Storage environment: -4°F (-20°C) to 140°F (60°F) <80% RH with battery removed from meter.

Overrange: "OL" or "-OL" is displayed.

Auto-off power: 15 minutes

Temperature coefficient: 0.05 x (specified accuracy) per °C

Accuracy: Stated accuracy at 23°C ± 5° (73°F ± 9°F), <90%R.H.

Battery: Single standard 9-volt battery, NEDA 1604, JIS 006P, IEC 6F22.

Low battery: A sideways battery is displayed on the LCD.

Temperature

Temperature Input: Standard K-type thermocouple connectors

Measurement range: -40 to 400°F(-40 to 204°C) (180°F/82°C max with supplied ATC1 pipe clamp thermocouple)

Resolution: 0.1°

System accuracy after field calibration:

±1.0°F @ -40 to 200°F with field calibration

±0.5°C @ -40 to 93°C with field calibration

±2.0°F @ 200 to 400°F with field calibration

±1.0°C @ 93 to 204°C with field calibration

Pressure

Pressure Input: Standard 1/4" male flare fitting

Measurement range:

29" HgV to 500PSIG (english)

74 cmHgV to 0 to 4000KPa (metric)

HgV indicates a vacuum measurement in either inches (english) or cm (metric) of mercury. A perfect vacuum would be 29.92"HgV or 76.00cmHgV. Atmospheric pressure at sea level would be 0" HgV and 0 cmHgV.

System accuracy after field calibration:

29" HgV to 0" HgV: ±0.2" HgV

74 cmHgV to 0 cmHgV: ±0.4 cmHgV

0 to 200 Psi: ±1 Psi

0 to 1378 KPa: ±7 KPa

200 to 500 Psi: ±0.3%+1 Psi

1378 to 3447KPa: ±0.3%+7 KPa

Maximum overload pressure: 800PSIG

Battery Check Function

The SSX34 allows the user to check the battery charge at any time during use, simply by holding down the UNIT button for over one second. The approximate percentage of battery charge will be displayed on the main display for three seconds before returning to its reading prior to performing the battery check.