

Environmental

Operating Temperature: -40 to +80 °C

Storage Temperature: -40 to +80 °C

Electrical & Mechanical

Power: Internal – 2 Alkaline "D" Cells

External – 12 volts (9-15V)

Solar

Housing: Explosion proof, Certified for Class 1 Division 1 Grps B,C,D

Dimensions: 5 1/4" dia X 6 3/8"

Weight: 5 1/2 lbs.

Communications:

RS-232: Standard terminal port & Auxiliary comm. port.

Internal radio: 2.4 GHz –

Cell network

Satellite

Internal Transducer

Internal High Resolution-High Accuracy Quartz

Full scale pressure: 5K, 10K, 20K

Resolution: 0.01 psi

Accuracy: <0.01% FS

Calibrated Temp Range: -40° to +60° C

Pressure connection: Integral solid buffer tube with 1/2" NPT male fitting, F-375 Autoclave

Optional Transducers

Auxiliary External Transducer: Max full scaled pressure 15K psi. Other ranges available. Accuracy 0.1% FS

Resolution: 0.06 psi – 18 bit A/D input

Pressure connection: NPT for ,10K psi, 3/8" slimline autoclave for >10K psi

Analog & Frequency

Transmitters or transducers that provide output voltage, current or frequency. Includes: pressure, flow, temperature, mass flow, speed, positional encoders, and chemical sensors.

Serial –

"Smart" transmitters with serial protocols

Standard interface is for RS-232

Interface program:

Win 9x, Win200x, Win CE, ASCII terminal command line available

Data Logging

Sample control: start time, stop time Sample on interval, Sample on value, Sample on difference, Sample interval: 1 sec to years
Sample resolution: 0.5 sec Max sample rate: 1s/sec

Data Storage: Data memory, non-volatile. Data retention, 5 yrs. Form factor-removable compact flash card.

Capacity: Standard: 600,000 measurements (32 MB card) Optional: Over 3 million measurements (192MB card) Data format: ASCII, Excel™

Data Retrieval: Built-in standard. Removable compact flash card, download radio, download cable RS-232, real-time monitor, cellular connection, satellite

Display & Keypad

Built-in LCD display – Extended temperature range

2 line 32-character display, 32 configurable display screens, security password protection

Keypad: 3 key magnetically coupled

Communications

RS-232

(1) Standard terminal port

(1) Auxiliary comm port.

Internal radio

2.4 GHz spread-spectrum - No license required Transmission distance: 250 feet Line of sight Optional: Two miles with external antenna
Data Rate: 56K Maximum # units: 255 Optional radio and repeater configurations.

Cell Network

Available

Application Software

Included Base Package

Plot and view measurements

Pressure Transient Analysis

WHP to BHP conversion

Data Format conversions

The logo for EBOT, consisting of the letters 'E-BOT' in a bold, blue, sans-serif font. The 'E' and 'B' are connected, and the 'O' is a circle. The logo is positioned over the front panel of the device, which features a keypad with three buttons: 'ENTER', an up arrow, and a down arrow. Below the keypad, there is a warning label that reads 'WARNING DO NOT OPEN WHEN EXPLOSIVE ATMOSPHERE'.