



**TRANSCAT**®

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35 Vantage Point Drive Rochester, NY 14624  
Call 1.800.800.5001

## **SSM1** Super Heat Sub Cool Meter

Use the SSM1 to directly measure superheat or subcool by direct connections for temperature and pressure. The SSM1 is programmed with the most common four refrigerants, with data from the NIST-Pro refrigeration database for temperature-pressure values.

Clamp the pipe temperature probe around the refrigerant line, and pressure to the service port, and the SSM1 will perform the calculations for you. A magnetic mount allows for hands free use, with a bright back-lit display to use in low light conditions.

**Also included in this  
Data Sheet**

**EM151, EM201  
LPKIT, LPKITPRO  
Smart Bell Kit,  
Static Pressure Kit**

**EM151**



**EM201**



Quick and Easy Super Heat / Sub Cool Calculations.  
Simply hook up the SSM1 and it will do the work for you  
preprogrammed with the four most common refrigerants.

### SSM1

#### Functions

- Measures
- Pressure from 0-500 psia
  - Temperature from -40-400°F

#### Features

- Calculates
- Superheat for low side
  - Subcool for high side (TXV systems)
- Refrigerants included for calculations
- R22
  - R134a
  - R404a
  - R410a
- Three year limited warranty



#### Includes

- ATTPC2 – Pipe Clamp Temperature Probe
- "T" fitting allows refrigerant to be added or removed with the SSM1 connected

#### Specifications

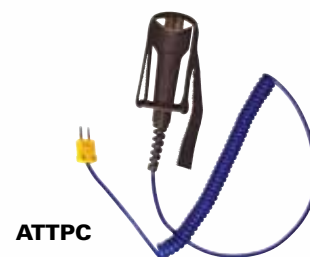
<b>Sensing resolution:</b>	0.1psi (2kPa, 0.02bars)
<b>Sensing accuracy:</b>	0.5% FS ± 1 least significant digit
<b>Working pressure:</b>	0-500psia (3450 kPa, 34.5bars)
<b>Temperature sensor range:</b>	-40 to 400°F (-40 to 204°C)
<b>Temperature Accuracy</b>	(at 18°C-28°C, humidity <75 %R.H.):
	+(1°F) -40°F-200 °F or + (0.5°C) -40°C-93°C
	+(2°F):200°F-400°C or +(1°C)93°C-204°C
<b>Operating environmental temperature:</b>	32-122°F (0-50°C)

#### Accessories & Replacement Parts

##### Temperature Probes

<b>ATT29A</b>	K Type Thermocouple
<b>ATTPC</b>	K Type Pipe Clamp Adapter (Wrap Style)
<b>ATTPC2</b>	K Type Pipe Clamp Adapter (Grip Style)
<b>ATTEXT</b>	10' K Type Extension

**AC319**  
Soft Carrying Case



# ELECTRONIC MANOMETERS

The EM Series is a simple, time-saving alternative to U-tube pressure measurements. Use the EM151 and EM201 to measure gas supply and draft pressures in residential or light commercial properties. The EM201 dual input manometer features a differential mode providing a convenient method to measure pressure drops.

## EM201

- Dual input differential measurement to  $\pm 40$ " wg or 100 mBar

- MIN/MAX value capture
- Data hold
- Backlit display
- Ruggedized, including rubber boot with integral magnet
- Auto power-off
- Three year limited warranty



## EM151

- Single input to measure positive and negative pressure to 20" wg

- Ruggedized, including rubber boot with integral magnet
- Simple two-button operation
- Measures in inches water gauge
- Auto power-off after 5 minutes of no activity
- Three year limited warranty



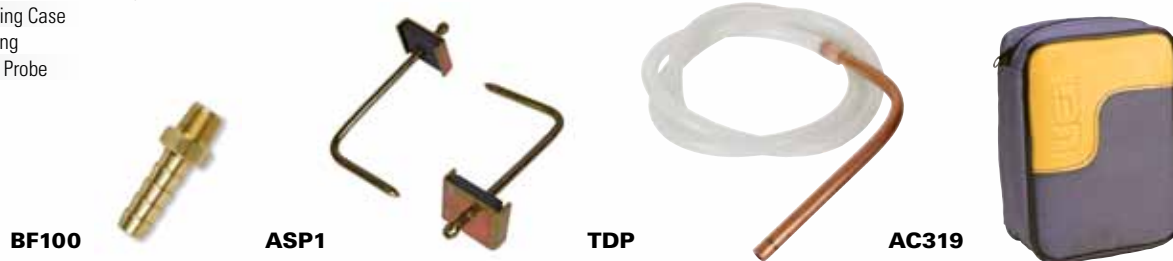
- Pressure Tubing
- BF100- Brass Fitting Valve adapter

<b>Measurement range:</b>	-40" to +40" WG -100 to +100 mBar
<b>Accuracy:</b>	$\pm 0.02$ "WG < 2"WG $\pm 1\%$ RDG > 2"WG
<b>Resolution:</b>	0.001" -9.999" to +9.999" WG 0.01" for < -10" or > +10" WG
<b>Operating range:</b>	32° -104°F (0° - 40°C), 10 - 90% RH non condensing
<b>Battery Life:</b>	40 hours with alkaline battery

- Pressure Tubing
- BF100- Brass Fitting Valve adapter

<b>Measurement range:</b>	-20" to +20" WG
<b>Accuracy:</b>	$\pm 1.0\%$ FS
<b>Resolution:</b>	0.01" -9.99" to +9.99" WG 0.1" < -10", > +10" WG
<b>Operating range:</b>	32° -104°F (0° - 40°C), 10 - 90% RH non condensing
<b>Battery Life:</b>	50 hours with alkaline battery

- ASP1** Magnetic Pressure Probe Tip
- AC319** Soft Carrying Case
- BF100** Brass Fitting
- TDP** True Draft Probe





## KITS & RELATED PRODUCTS

### QUICK COMBUSTION SET-UP & TESTING WITH THE SMART BELL KIT

#### SBK1

##### Smart Bell Kit

<b>Smart Bell</b>	Combustible Gas Leak Detector
<b>EM151</b>	Single Input electronic Manometer
<b>KMCP70</b>	Flue Probe
<b>AC519</b>	Hard Carrying Case

The Smart Bell Kit is designed for simple, efficient combustion testing. Measure CO<sub>2</sub> and Flue Temperature and the Smart Bell Calculates O<sub>2</sub>, Efficiency, Excess Air and Net Temperature. Combined with the EM151 you can simultaneously measure gas pressure for quick set-up and instant results!



#### SPK1

##### Static Pressure Kit

<b>EM201</b>	Dual Input differential Manometer
<b>ASP1 (2)</b>	Magnetic pressure probe tip
<b>BF100 (2)</b>	Brass fitting w/ tubing
<b>AC319</b>	Soft Carrying Case

*Pressure Tubing*



### CHECK AND VERIFY SYSTEM SAFETY

#### LPKIT

##### LP Technician Gas Kit

<b>CD100A</b>	Combustible Gas Leak Detector
<b>EM151</b>	Single Input Electronic Manometer
<b>AC519</b>	Hard Carrying Case

The LPKITS are designed to be the complete “tank to inside appliance” test kit for installers and service technicians. Check primary/secondary gas pressure, verify fittings are leak free and with the LPKITPLUS test for CO levels in the living space.

#### LPKITPLUS

##### LP Technician Gas Kit PLUS

<b>CD100A</b>	Combustible Gas Leak Detector
<b>C071A</b>	Carbon Monoxide Detector
<b>EM151</b>	Single Input Electronic Manometer
<b>AC519</b>	Hard Carrying Case

#### CAN'T FIND WHAT YOU ARE LOOKING FOR?...

UEi offers a full line of HVAC/R and Combustion Testing equipment. We have grouped our products specifically to make it easy to find what you're looking for. Here are a few related products and data sheets. For a complete list visit: [www.ueitest.com](http://www.ueitest.com)

Product Part # .....	Order Lit. #
<b>Combustion &amp; Environmental Catalog</b> .....	<b>L330</b>
<b>Combustible Leak Detectors (CD100A, CD200)</b> .....	<b>L336</b>
<b>Refrigerant Leak Detectors (RLD15, RLD10)</b> .....	<b>L337</b>
<b>CO Detectors (C071A, C091, C091KIT)</b> .....	<b>L335</b>

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