



SSM1 *Super Heat / Sub Cool Meter*

The SSM1 measures superheat or subcool with 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.

Measures:

- Pressure from 0~500 psi
- Temperature from -40~400°F

Calculates:

- Superheat for low side
- Subcool for high side (TXV systems)
- Measures Temperature & Pressure
- Calculates Super Heat/Sub Cool
- Works with refrigerant types: R22, R134A, R404A, R410A
- 3 Year Limited Warranty



DRS220 **DSMCM** *Digital Refrigeration Scale & Charge Module*



RLD15 *Refrigerant Leak Detector*

Also Included in this Data Sheet

**DMG100, DMG200, DRS220
DRSCM, HA1, RLD10, RLD15**

FEATURED PRODUCTS



NEW

DRS220
Digital Refrigerant Scale

DRSCM
Charging Module

The DRS220 is the most accurate and precise refrigerant scale available today with features that cannot be found anywhere else. It is ideal for HVAC and refrigeration service, including critical charging of small refrigeration systems. The DRS220 measures weight in both metric and english units, is programmable, and has a built in alarm to indicate a programmed threshold has been exceeded. Attaching the DRS220 to the DRSCM (sold separately) allows automatic refrigerant charging for A/C systems.



NEW

DMG100
DMG200
Digital Micron Gauges

The UEi DMG100 & DMG200 digital vacuum gauges are the most accurate and precise vacuum gauge available today utilizing patent-pending technology. Both gauges offer in-field calibration, analog bar graphs, easy sensor cleaning and oil contamination sensors.

The DMG100 accurately measures vacuum pressure in Microns, Pascals, Millibar, Millitorr, and mmHg with resolution down to 1 micron. Ideal for the HVAC/R professional, the DMG100 is small, lightweight, rugged and easy to use.

The DMG200 includes all the features of the DMG100 and has increased resolution to 0.1 micron below 9,999, a programmable alarm for unattended evacuation of HVAC/R systems, vacuum leak rate indicator and also measures ambient temperature.

CAN'T FIND WHAT YOU'RE 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

Product Part # or Group
Digital Temperature Testers
Combustion & Environmental Catalog
Digital Clamp Meters

LIT #
L352
L330
L333

Functions

Features

Includes

Specifications

RLD10 Refrigerant Leak Detector

- Detects Industry Standard Refrigerants Including but not limited to:
R11 R12, R13, R22,R23, R113 R114 R134A, R500, R502 Halons R404A SF6 Perchloroethylene Blends R410A

- Auto zeros when turned on
- Two position sensitivity selector
- LED panel indicates refrigerant leak concentration
- Audible tick rate
- Long gooseneck probe
- One-hand operation
- Automatically detects all existing refrigerant and blends
- 1 Year limited warranty

1 (9V) Battery, Manual

RLD15 Refrigerant Leak Detector

- Detects Industry Standard Refrigerants Including but not limited to:
HFC: R-134a, R-410A, R-404A, R-407C, R-507, (R-134a, R410A sensitivity ≥ 0.05 oz/yr)
HCFC:R-22 (R-22 sensitivity ≥ 0.025 oz/yr)
CFC:R-12 Hydrocarbon Blends: HC-12a®, OZ-12a®

- Solid Electrolyte Semiconductor Sensor Technology
- Digital Numeric Leak Size Indicator
- 3 Sensitivity Levels
- Visual LED Leak Alarm
- Whisper Action Pump
- Automatic Calibration & Ambient Level Reset
- Splash Resistant
- 3 Year limited warranty (Includes Sensor)

(5) RLDTF, RLDLS, Batteries 4(AA), Hard Carrying Case, Manual



Sensor	Advanced ionization detection
Sensitivity	.5 oz. per year R134A
Power Supply	9V battery
Battery Life	8 continuous hours
Warm Up Time	< 10 seconds
Response Time	< 1 second
Duty Cycle	Continuous
Probe Length	18 1/2"
Dimensions	8" x 4" x 1 1/2"
Weight	14.1 oz (400g)
Operating Conditions	32° to 120°F (0° to 49°C)
Refrigerants Detected	0 to 80% RH (noncondensing) R11, R12, R13, R22,R23, R113, R114 R134A, R500, R502 Halons R404A SF6 Perchloroethylene Blends R410A

Sensor Life	>300 hours
Response Time	≤ 1 second
Power Supply	4 AA batteries
Battery Life	8 continuous hours
Warm Up Time	< 20 seconds
Response Time	< 1 second
Duty Cycle	Continuous
Probe Length	18"
Numerical Display	7 segment digital (1-9)
Dimensions	4w x 9h x 2d" not including probe
Weight	1.5 lbs
Refrigerants Detected	HFC: R-134a, R-410A, R-404A, R-407C & R-507 (R-134a, R410A sensitivity ≥ 0.05 oz./yr.) HCFC: R-22 (R-22 sensitivity ≥ 0.025 oz./yr.) CFC:R-12 Hydrocarbon Blends: HC-12a®, OZ-12a®

Replacement Parts & Accessories

Sensor Cap	RLDTG (RLD10)
Sensor	RLDSENS (RLD10)
Sensor	RLD15SENS (RLD15)
Sensor Filter (5 pack)	RLDTF (RLD15)
Leak Test Vial	RLDLS (RLD15)



PRESSURE

SSM1 Superheat & Subcool Meter



Measures:

- Pressure from 0-500 psi
- Temperature from -40-400°F

Calculates:

- Superheat for low side
- Subcool for high side (TXV systems) Refrigerants included for calculations R22, R134a, R404a, R410a

- "T" fitting allows refrigerant to be added or removed with SSM1 connected
- Magnetic mount for hands free use
- Backlit display
- 3 Year limited warranty

ATTPC2, 9V Battery, Manual

DMG100 DMG200 Digital Micron Gauge



DMG100

- 1 Micron Resolution
- 0 – 25,000 Micron range

DMG200

- 0.1 micron resolution below 9,999
- 1 micron from 10 ~ 25,000
- Vacuum Leak Rate Indicator
- Programmable Alarm
- Ambient Temperature Measurement

DMG100 & DMG200

- Automatic Oil Contamination Sensor
- In-field calibration and calibration test function
- Sensor withstands Overpressure up to 500psi
- Backlit Display with Analog Bar Graph
- Advanced Power Management Up to 300 hour battery life
- 1 Year limited warranty

9V Battery, Manual

SSM1

Sensor Resolution	0.1psi (2kPa, 0.02bars,mmHg)
Sensing Accuracy	0.5% FS ± 1 least significant digit
Working Pressure	0-500psi (3450 kPa, 34.5bars)
Temperature Sensing Range	-40 to 400°F (-40 to 204°C)
Temperature Accuracy	(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
Operating Environmental Control	32~122°F (0~50°C).

DMG100

Range	0 – 25,000 Microns (3333 Pa, 33.330 mBar, 25,000 mTorr, 25.000 mmHg)
Vacuum Accuracy	5% of Reading ± 5 Microns
Vacuum Resolution	1 Micron
Warm Up Time	Instant
Response Time	Instant
Power	9V Alkaline Battery
Battery Life	Up to 300 hours
Operating Temperature	10°F – 122°F (-12°C – 50°C)
Dimensions	3" x 3.5" x 1.25"
Weight	6 oz. (170g) including Battery

DMG100 & DMG200

DMG200

Range	0 – 25,000 Microns (3333 Pa, 33.330 mBar, 25,000 mTorr, 25.000 mmHg)
Vacuum Accuracy	5% of Reading ± 5 Microns
Vacuum Resolution	1 Micron > 10,000 Microns 0.1 Micron < 10,000 Microns
Warm Up Time	Instant
Response Time	Instant
Power	9V Alkaline Battery
Battery Life	Up to 300 hours
Operating Temperature	10°F – 122°F (-12°C – 50°C)
Dimensions	3" x 3.5" x 1.25"
Weight	6 oz. (170g) including Battery

ATTPC2	K Type Pipe Clamp Adapter (SSM1)
ATTEXT	10' K Type Extensions (SSM1)
T-FITTING	T-Fitting (SSM1)



ATTPC2



ATTEXT



T-FITTING

CHARGING & DIAGNOSTICS

DRS220 & DRSCM (Sold Separately) Digital Refrigerant Scale & Charging Module



- DRS220**
- Measures Weight in kgs and lbs
 - Refrigerant Tank Capacity Indicator
- DRSCM**
- Option for automated system charging
 - Set, start and allow the DRSCM to monitor progress
 - Valve closes to stop the flow of refrigerant when target is met

- Large, high-visibility LCD display
- Built-in memory remembers all previous settings
- Rugged, Compact Design
- Long Battery Life
- High Accuracy and Resolution
- Programmable
- Can be calibrated in the field with inexpensive reference weight
- 1 Year limited warranty

4 (AAA) Batteries, Manual

HA1 Hermetic Compressor Analyzer



- 3 ranges of 250 VAC starting capacitors between 88-301 MFD
- Dual voltage operation of 120/240 VAC

- Indicates continuity and ground faults in motor windings with LED lights
- Free locked rotors by reversing motor action
- Convenient breakout jacks for measuring voltage and resistance
- 1 Year limited warranty

Adapter Cord (ACF1)

DRS220 & DRSCM

Capacity	100 kilograms (220 Pounds) (2kPa, 0.02bars,mmHg)
Accuracy	0.5% of Reading ± 1 Least Significant Digit
Resolution	2g, 0.005 lbs., 0.1 oz.
Power	4 x 1.5V 'AAA' Alkaline Batteries (6 VDC)
Battery Life	30 hours continuous use 9V Alkaline Battery
Operating Temperature	0°C – 60°C (32°F – 140°F)
Dimensions	10.5" x 10.5" x 1.75"
Weight	2.5 kg (5.5 lbs.)

DRS220
Digital Micron Scale



DRSCM
Digital Charging Module



RELATED PRODUCTS

Digital Temperature Testers: Lit # L352

NEW



DT221
Digital Temperature Tester

NEW



DT222
Dual-Input Temperature Tester

NEW



INF165
Infrared Thermometer

NEW



INF195
Infrared Thermometer

Digital Clamp Meters: Lit # L333



DL369
G2PHOENIX PRIME



DL379
G2PHOENIX PRO
CH3
Extended Clamp Head For DL379 & DL389



DL389
G2PHOENIX PRO
CH3
Extended Clamp Head For DL379 & DL389



HVACKIT
HVAC Speciality Kit

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