



**Quality Tools For The
Industry Professional**

The BluVac Vacuum Gauge Revolution Continues!

BluVac *Professional*

- Large, high-visibility back-lit LCD display
- Measures Vacuum in Microns, Pascals, Millibar, Millitorr, mmHg, PSI, and inHg
- 0 to 25,000 Micron Range with 0.1 Micron Resolution less than 10,000 Microns
- “Analog” Vacuum Level Bar Graph
- Evacuation Progress Indicator shows Vacuum between 25,000 Microns and ATM
- Vacuum Leak Rate, Ambient Temperature, and Saturation Temperature Indicator
- Automatic Oil Contamination Sensor
- Measures Ambient and Saturation Temperature in Fahrenheit and Celsius to 0.1°
- Built-in memory retains all previous settings
- Long Battery Life
- Programmable Automatic Evacuation and Rise-Time Testing
- Calibration Self Test -- Can be field calibrated with no special equipment



μ BluVac

- Utilizes Patented BluVac Vacuum Gauge Technology
- Measures Microns, Pascals, Millibar, and mmHg
- Automatic Oil Sensor
- Up to 100 Hours with Two ‘AAA’ Batteries
- Calibration Self-Test and Field Calibratable
- Small and Lightweight
- Coupler and Pouch Included
- Ideal for HVAC, Industrial, and Scientific Use

VISIT WWW.BLUVAC.COM FOR A COMPARISON CHART AND SEE WHY THE VACUUM GAUGE YOU ARE USING RIGHT NOW IS OBSOLETE!

“STOP SENDING YOUR GAUGE BACK FOR CALIBRATION!”

“THIS IS THE LAST VACUUM GAUGE YOU WILL EVER BUY!”

BLUVAC LTE FEATURES

- CALIBRATION SELF TEST - CAN BE FIELD CALIBRATED WITH NO SPECIAL EQUIPMENT
- AUTOMATIC OIL CONTAMINATION SENSOR
- HIGH ACCURACY - $5\% \pm 5$ MICRONS
- BATTERY LIFE - UP TO 300 HOURS ON ONE 9V ALKALINE BATTERY
- MEASURES VACUUM IN MICRONS, PASCALS, MILLIBAR, MILLITORR AND MMHG
- 0 TO 25,000 MICRON RANGE - 1 MICRON RESOLUTION
- BRIGHT BLUE BACKLIGHT IDEAL FOR ANY LIGHTING SITUATIONS

BLUVAC FEATURES

INCLUDES ALL THE ABOVE PLUS THESE UNIQUE, PRODUCTIVITY ENHANCING FEATURES!

- VACUUM LEAK RATE INDICATOR
- PROGRAMMABLE WITH UNIQUE ALARM FEATURE
- MEASURES TEMPERATURE IN FAHRENHEIT AND CELSIUS TO 0.1°
- 0 TO 25,000 MICRON RANGE - 0.1 MICRON RESOLUTION LESS THAN 10,000 MICRONS



THE REVOLUTIONARY BLUVAC FAMILY OF DIGITAL VACUUM GAUGES UTILIZES PATENTED TECHNOLOGY TO BRING YOU THE ACCURACY OF A SCIENTIFIC GAUGE IN A FIELD-READY TOOL. OUR BLUVAC GAUGES OUTPERFORM ALL COMPETITION AND ADDRESS THE PROBLEMS PREVIOUSLY ENCOUNTERED WITH OTHER MICRON GAUGES SUCH AS SUB-PAR ACCURACY, UNCALIBRATED UNITS, OR HAVING TO GUESS IF YOUR GAUGE IS CONTAMINATED WITH OIL. WITH SELF-DIAGNOSTIC SENSORS AND FIELD CALIBRATION, THE BLUVAC AND THE BLUVAC LTE WILL INCREASE YOUR PRODUCTIVITY AND NEVER LEAVE YOU GUESSING ABOUT YOUR WORK OR QUESTIONING YOUR TOOLS IN ANY ENVIRONMENT.

THE BLUVAC PRO AND BLUVAC ARE FULL FEATURED GAUGES OFFERING UNIQUE FEATURES SUCH AS PROGRAMMABILITY FOR BOTH PRESSURE AND TIME AS WELL AS VACUUM LEAK RATE AND AMBIENT TEMPERATURE INDICATORS.

THE BLUVAC LTE AND THE μ BLUVAC PROVIDE ALL THE ACCURACY AND RELIABILITY OF THE BLUVAC, AND ARE TAILORED TO THOSE BUDGET CONSCIOUS TECHNICIANS WHO DO NOT REQUIRE THE ADDITIONAL FEATURES.

“STOP GUESSING IF YOUR GAUGE IS ACCURATE!”

eL-720

CARBON DIOXIDE / R744 LEAK DETECTOR

WHETHER SERVICING COMMERCIAL REFRIGERATION SYSTEMS, FINDING A LEAK IN A RESTAURANT SODA MACHINE, OR PINPOINTING A MINUTE LEAK IN A ROOM FILLED WITH CO₂ AT A BULK CO₂ MANUFACTURING FACILITY, THE eL-720 STANDS ALONE WHEN IT COMES TO EASE OF USE, QUALITY OF RESPONSE, AND HIGH SENSITIVITY LEVELS WITH NO FALSE ALARMS.

THE AccuTools® eL-720 CARBON DIOXIDE GAS LEAK DETECTOR IS THE MOST TECHNOLOGICALLY ADVANCED OF ITS KIND. THE FULLY AUTOMATIC eL-720'S LOW POWER REQUIREMENTS, SMALL SIZE AND HIGH SENSITIVITY COMBINE TO CREATE A TOOL WHICH IS EASY TO HANDLE AND ULTRA EFFECTIVE AT LOCATING EVEN THE MOST DIFFICULT-TO-FIND LEAKS. THE INFRARED SENSOR WILL MAKE FALSE ALARMS A THING OF THE PAST WHEN FINDING EVEN THE SMALLEST LEAKS IN R744 SYSTEMS AND CO₂ SPECIFIC APPLICATIONS.



COMMON APPLICATIONS

- ANY R744 / CO₂ APPLICATION
- CO₂ REFRIGERATION SERVICE
- HEATING AND COOLING SYSTEMS (MOBILE AIR CONDITIONING, VENDING MACHINES, COMMERCIAL CABINETS FOR SUPERMARKETS, CONTAINERS, AND CLIMATE CONTROL SYSTEMS FOR RESIDENCES)
- BULK CO₂ MANUFACTURING, DELIVER, AND SERVICE
- BREWERIES, WINERIES, AND BAKERIES
- GENERAL LEAK DETECTION (USING CO₂ AS A TEST GAS)

FEATURES

- LIGHTWEIGHT, ERGONOMIC DESIGN
- SIMPLE, ONE BUTTON OPERATION
- TWO SENSITIVITY MODES, ENABLING QUICK AND EASY LOCATION OF LARGE AND SMALL LEAKS
- BOTH VISUAL AND AUDIBLE LEAK DETECTION SIGNAL
- LOW BATTERY INDICATOR
- AUTOMATIC POWER-OFF TO CONSERVE BATTERY LIFE




DEALER DESIGN
AWARDS

the NEWS | GOLD

eL-520

REFRIGERANT LEAK DETECTOR

THE AccuTools® eL-520 REFRIGERANT GAS LEAK DETECTOR IS USED TO QUICKLY AND ACCURATELY ISOLATE LEAKS IN ALL COMMERCIAL, RESIDENTIAL, INDUSTRIAL AND AUTOMOTIVE AIR CONDITIONING AND REFRIGERATION SYSTEMS. IT DETECTS ALL HFC, CFC AND HCFC REFRIGERANTS INCLUDING R134A, R12, R22 AS WELL AS BLENDS SUCH AS R404A, R408A, R409A, R 410A, AND OTHERS.

USING STATE OF THE ART MICROPROCESSOR CONTROLLED TECHNOLOGIES, THE eL-520 IS FULLY AUTOMATIC AND REQUIRES VERY LITTLE POWER TO OPERATE THUS INCREASING THE BATTERY LIFE. A SPARE SENSOR HOUSED IN THE BATTERY COMPARTMENT, ALSO INSURES NO DOWN TIME WHEN SENSORS ARE DAMAGED OR NEED REPLACING.



FEATURES

- LIGHTWEIGHT, ERGONOMIC DESIGN
- SIMPLE, ONE BUTTON OPERATION
- TWO SENSITIVITY MODES
- STURDY BLOW-MOLDED CARRYING CASE
- BOTH VISUAL AND AUDIBLE LEAK DETECTION SIGNAL
- LOW BATTERY INDICATOR
- AUTOMATIC POWER-OFF TO CONSERVE BATTERY LIFE
- EXTRA SENSOR STORAGE
- INCLUDES TWO SENSORS



eL-320

COMBUSTIBLE GAS LEAK DETECTOR

FEATURES

- SIMPLE, ONE BUTTON OPERATION
- TWO SENSITIVITY MODES
- STURDY BLOW-MOLDED CARRYING CASE
- BOTH VISUAL AND AUDIBLE LEAK DETECTION SIGNAL
- LOW BATTERY INDICATOR
- AUTOMATIC POWER-OFF TO CONSERVE BATTERY LIFE

THE AccuTools® eL-320 COMBUSTIBLE GAS LEAK DETECTOR IS AN EASY-TO-USE PORTABLE COMBUSTIBLE GAS LEAK DETECTOR THAT PINPOINTS LARGE AND SMALL LEAKS QUICKLY. IT IS IDEAL FOR LOCATING COMBUSTIBLE GAS LEAKS IN APPLIANCES AND HEATING EQUIPMENT IN COMMERCIAL, RESIDENTIAL, AND INDUSTRIAL APPLICATIONS. THE eL-320 IS YOUR GO-TO TOOL FOR INSPECTING VALVES, REGULATORS, AND METERS ON GAS EQUIPMENT, SURVEYING GAS PIPELINES, ETC. APPROVED BY UNDERWRITER'S LABORATORY FOR USE IN HAZARDOUS LOCATIONS, THE eL-320 IS SELF CALIBRATING AND REQUIRES VERY LOW MAINTENANCE.



FOR A LIST OF ALL DETECTABLE GASES VISIT WWW.ACCUTOOLS.COM



CLASSIFIED BY UNDERWRITERS LABORATORIES, INC.
ONLY AS TO FIRE, ELECTRICAL SHOCK, AND EXPLOSION
HAZARDS IN CLASS 1 DIVISION 2 GROUPS A, B, C, E, D
HAZARDOUS LOCATIONS. READ OWNERS MANUAL
BEFORE OPERATING. USE ONLY 1.5V AA ALKALINE
BATTERIES.

DS-220R

DIGITAL CHARGING SCALE

THE AccuTools® DS-220R CHARGING SCALE IS THE MOST ACCURATE AND PRECISE REFRIGERANT METER AVAILABLE TODAY WITH FEATURES THAT CANNOT BE FOUND ANYWHERE ELSE. ITS HIGH CAPACITY, ACCURACY AND RESOLUTION MAKES IT IDEAL FOR HVAC AND REFRIGERATION SERVICE, INCLUDING CRITICAL CHARGING OF SMALL REFRIGERATION SYSTEMS. THE DS-220R IS PROGRAMMABLE, AND HAS A BUILT IN ALARM TO INDICATE A PROGRAMMED THRESHOLD HAS BEEN EXCEEDED. ATTACHING THE CM-500 TO THE DS-220R AUTOMATIC CHARGING MODULE ALLOWS AUTOMATIC REFRIGERANT CHARGING FOR A/C SYSTEMS.



DS-220

VERSATILE DIGITAL SCALE

THE DS220 ALL-IN-ONE SCALE COMBINES ALL OF THE FUNCTIONALITY OF THE DS-220R WITH THE ADDITIONAL UNIQUE ABILITY TO *MEASURE VOLUME AND COUNT PARTS* WEIGHING AS LITTLE AS 2 GRAMS.

- Patented Design
- Measures kilograms, pounds, pounds & ounces, and ounces.
- Measures liters, gallons, and fluid ounces (with adjustable specific gravity) in volume mode. (DS-220 ONLY)
- Refrigerant tank capacity indication.
- Lightweight and easily transportable. Equipped with carrying handle and nylon pouch with straps and accessory pockets.

Patent Numbers: D523, 366 (US) ZL200530009475.9 (China) 000316328-0001 (EU)



CM-500

CHARGING MODULE

THE AccuTools® CM-500
AUTOMATIC CHARGING MODULE,
USED IN CONJUNCTION WITH THE
DS-220 OR DS-220R, AUTOMATES
THE DISPENSING OF FLUIDS AND
GASSES. BATTERY OPERATED, IT
SEAMLESSLY ATTACHES TO THE SCALE
CONTROL MODULE USING AN OPTICAL
INTERFACE BECOMING AN INTEGRAL
PART OF THE SCALE.

IDEAL FOR HVAC/R AUTOMATIC
CHARGE/RECOVER OF REFRIGERANTS,
THE CM-500 CAN ALSO BE USED FOR
AUTOMATIC DISPENSING OF OTHER
FLUIDS OR GASES COMPATIBLE WITH
THE NEOPRENE-W VALVE SEAL.



FEATURES

“ALL-IN-ONE” DESIGN ALLOWS THE
DS-220/DS-220R CONTROL BOX,
CM-500 MODULE AND FITTINGS TO FIT
IN ONE SIMPLE HAND HELD UNIT

QUICK ATTACH LOADING DOCK WITH
SPRING LATCH TO ALLOW QUICK AND
EASY ATTACHMENT OF THE
DS-220/DS-220R CONTROL BOX.

SEAMLESSLY INTEGRATES WITH THE
DS-220/DS-220R CREATING A
COMPACT AUTOMATIC
CHARGE/RECOVERY SYSTEM.

OPTICAL INTERFACE ELIMINATES
ADDITIONAL WIRES BETWEEN CHARGING
MODULE AND WEIGH SCALE.

500 PSI VALVE COMPATIBLE
WITH ALL REFRIGERANTS.



PRODUCT SPECIFICATIONS

LEAK DETECTORS

| | eL-720 – Carbon Dioxide | eL-520 – Refrigerant | eL-320 – Combustible |
|-----------------------|--|---|--|
| Dimensions | 8" x 2.5" x 2.25" (20.3 cm x 6.3 cm x 5.7 cm) | 7.25" x 2.25" x 1.5" (19 cm x 5.7 cm x 3.8 cm) | 7.25" x 2.25" x 1.5" (19 cm x 5.7 cm x 3.8 cm) |
| Weight | 15 oz. with Batteries | 7 oz. (190 grams) | 7 oz. (190 grams) |
| Batteries | 4 x 1.5V 'AA' Alkaline Batteries (6 VDC) | 2 x 1.5V 'AA' Alkaline Batteries (3 VDC) | 2 x 1.5V 'AA' Alkaline Batteries (3 VDC) |
| Battery Life | 20 hours | 40 hours | 11 hours |
| Sensitivity | High: Less than 400 ppm over ambient Low: Less than 4000 ppm over ambient | < 3g/year (0.1 oz/yr) | Less than 50 ppm (Propane, Iso-Butane, Methane) |
| Operating temperature | 32 – 122°F (0 – 50°C) | 32 – 122°F (0 – 50°C) | 32 – 122°F (0 – 50°C) |
| Warm up time | 10 seconds | < 2 sec. | 25 seconds to 1.5 minutes |
| Response time | 1 second | instantaneous | 5 seconds |
| Reset time | 1 second | instantaneous | 5 seconds or more depending on gas concentration |
| Probe length | 12" (30 cm) | 12" (30 cm) | 12" (30 cm) |

SCALES

| | DS-220 | DS-220R |
|------------------------|---|---|
| Capacity | 100 kilograms (220 Pounds) | 100 kilograms (220 Pounds) |
| Accuracy | 0.5% of Reading +/- 1 Least Significant Digit | 0.5% of Reading +/- 1 Least Significant Digit |
| Resolution | 2g, 0.005 lbs., 0.1 oz, 2 ml 0.001 gal., 0.1 fl. oz. | 2g, 0.005 lbs., 0.1 oz. |
| Power | 4 x 1.5V 'AAA' Alkaline Batteries (6 VDC) | 4 x 1.5V 'AAA' Alkaline Batteries (6 VDC) |
| Battery Life | 30 hours continuous use | 30 hours continuous use |
| Operating Temperature | 0°C – 60°C (32°F – 140°F) | 0°C – 60°C (32°F – 140°F) |
| Weight | 2.5 kg (5.5 lbs.) | 2.5 kg (5.5 lbs.) |
| Dimensions | 26.7 cm x 26.7 cm x 4.5 cm (10.5" x 10.5" x 1.75") | 26.7 cm x 26.7 cm x 4.5 cm (10.5" x 10.5" x 1.75") |
| Specific Gravity Range | 0.500 kg/l to 2.000 kg/liter | N/A |

AUTOMATIC CHARGING MODULE

| | CM-500 |
|-------------------------------|---|
| Charging Ports | ¼" MFL fittings |
| Materials: | Valve Body Brass Seal Neoprene-W |
| Max. Valve Operating Pressure | 500PSI |
| Power | 4 x 1.5V 'AA' Alkaline Batteries (6 VDC) |
| Battery Life | > 200 hours |
| Operating Temperature | 32°F – 122°F (0°C – 50°C) |
| Weight | 0.55 kg (1.2 Lbs.) with Batteries |
| Dimensions | 21.6 x 10.2 x 4.8 cm. (8.5 x 4.9 x 1.9 in) |

DIGITAL VACUUM GAUGES

| | BluVac Professional | BluVac | BluVac LTE | µBluVac |
|-----------------------|---|---|---|--|
| Range | 0.0 to 25,000 Microns | 0.0 to 25,000 Microns | 0.0 to 25,000 Microns | 0.0 to 25,000 Microns |
| Resolution | 0.1 Micron (0.0 to 9999.9 Microns) 1 Micron (10,000 to 25,000 Microns) | 0.1 Micron (0.0 to 9999.9 Microns) 1 Micron (10,000 to 25,000 Microns) | 1 Micron (0.0 to 25,000 Microns) | 1 Micron (0 to 1000 Microns) 10 Microns (1,000 to 10,000 Microns) 100 Microns (10,000 to 25,000 Microns) |
| Accuracy | 5% of Reading +/- 5 Microns | 5% of Reading +/- 5 Microns | 5% of Reading +/- 5 Microns | 5% of Reading +/- 5 Microns |
| Units | Microns, Pascals, mBar, mTorr, mmHg, PSI, InHg | Microns, Pascals, mBar, mTorr, mmHg | Microns, Pascals, mBar, Millitorr, mmHg | Microns, Pascals, mBar, mmHg |
| Power | 1 - 9V Alkaline Battery | 1 - 9V Alkaline Battery | 1 - 9V Alkaline Battery | 2 'AAA' Alkaline Batteries |
| Battery Life | Up to 300 Hours | Up to 300 Hours | Up to 300 Hours | Up to 100 Hours |
| Warm Up Time | Instant | Instant | Instant | Instant |
| Response Time | Instant | Instant | Instant | Instant |
| Fitting | 1/4" Flare | 1/4" Flare | 1/4" Flare | 1/4" Flare |
| Operating Temperature | 10°F – 122°F (-12°C – 50°C) | 10°F – 122°F (-12°C – 50°C) | 10°F – 122°F (-12°C – 50°C) | 10°F – 122°F (-12°C – 50°C) |
| Weight | 6 oz. (including batteries) | 6 oz. (including batteries) | 6 oz. (including batteries) | 2.7 oz. (including battery) |
| Dimensions | 3.5" x 3" x 1.25" | 3.5" x 3" x 1.25" | 3.5" x 3" x 1.25" | 4.3" x 1.3" x 1" |

CORE ENTERPRISES INC.

3650 CORAL RIDGE DRIVE, SUITE 101
CORAL SPRINGS, FL 33065

PHONE: 1-954-227-0781 FAX: 1-954-227-1094

WWW.ACCUTOOLS.COM

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