

## Handheld General Range Vacuum Gauge



Model 1520 in optional frame case



Kit 1520K-10

- Accurate vacuum measurement from 1 to 760torr
- Portable unit connects quickly to any vacuum source

Take fast, easy vacuum measurements at multiple locations with this portable vacuum gauge. The internal piezoelectric sensor reads results to a large LCD. Stands upright using optional protective frame case. Use standard 3/8" I.D. vacuum hoses to connect to vacuum source. Operates on standard 9V battery or using AC adapter. Meter dimensions: 3.625"Wx1.25"Dx5.75"H. Available as standalone unit or in convenient carrying case kit with frame case/stand, battery, AC adapter, and vacuum hoses length.

CAT. No.		Range	Description
Meter	Meter with Kit		
1520B-01	1520K-10 <sup>1</sup>	1 to 760torr	Handheld Vacuum Gauge, 9V, torr
1520C-02	1520K-11 <sup>2</sup>	1 to 1013mBar	Handheld Vacuum Gauge, 9V, mBar

Notes: 1. 120 VAC adapter  
2. 220 VAC Euro adapter

## Handheld Mid-High Vacuum Gauge



- Accurate vacuum measurement from 0.1 to 1999 millitorr
- Portable unit connects quickly to any vacuum source

Take accurate vacuum readings at multiple sites using this portable vacuum gauge. The external thermocouple sensor reads results to a large LCD. Stands upright using optional protective frame case. Sensor coil cord extends from 1 to 4 feet to connect vacuum source using 1/8" NPT fitting. Operates on standard 9V battery or using AC adapter. Meter dimensions: 3.625"Wx1.25"Dx5.75"H. Available as standalone unit with thermocouple tube sensor or in convenient carrying case kit with frame case/stand, battery, AC adapter, and thermocouple tube sensor<sup>1</sup>.

CAT. No.		Range	Display	Description
Meter	Meter w/ Kit			
1525B-01	1525K-10 <sup>2</sup>	0.001 to 1.0torr	1 to 1000 x 10 <sup>-3</sup> torr	Handheld Vacuum Gauge
1525C-02	1525K-11 <sup>3</sup>	0.001 to 1.3mbar	1 to 1300 x 10 <sup>-3</sup> mbar	Handheld Vacuum Gauge

Notes: 1. For replacement sensor, order 1516A  
2. 120 VAC adapter.  
3. 220 VAC Euro adapter

## Thermocouple Vacuum Gauge

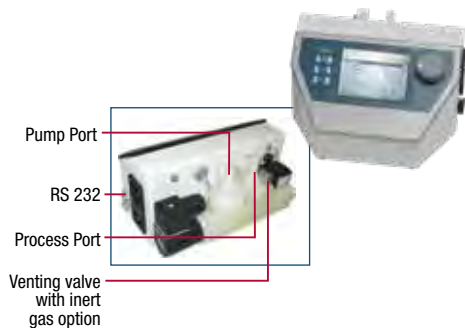


- Vacuum measurement to low millitorr (micron) range
- Rugged, reliable thermocouple gauge sensor tube

Gauges provide an accurate, reliable measurement of vacuum. Self-contained gauges with solid-state electronics for rapid response time, long life and low maintenance. Comes with a 0 to 10 VDC recorder output. The gauge sensor tubes are designed to assure maximum sensitivity over the entire vacuum range. Gauge sensor tube connected to system via 1/8" NPT thread. Each gauge comes with one sensor tube and one cable. Meter dimensions: 7"Lx5"Wx5.6"H (17.8x12.7x14.1cm); Weight 2 lbs. (0.9kg).

Gauge CAT. No.	Range (millitorr)	Voltage	Protective Trap CAT. No.	Replacement Sensor Tube CAT. No.
1515	0 to 5000	115V, 60Hz, 1Ph	1515B	1515A

## Vacuum Control Box



Programmable vacuum controller VCB 521 cv with a built-in highly resistant ceramic diaphragm sensor for absolute pressure determination. Uses a chemically resistant solenoid valve to control the process vacuum while the pump runs continually. The user defined vacuum and hysteresis levels are used to open and close the control valve thus maintaining vacuum at the process between the high and low control points with easy 8mm hose barb pump and process port connections. Meter dimensions: 7.6"Lx7"Wx4.1"H (19.5x17.8x10.5cm).

Model	Measuring Range	Voltage	CAT. No.
VCB 521 cv	1100 - 1mbar	90-260V, 50/60 Hz	600053-US

# Peristaltic - Fluid Transfer Pumps

## Models 3100/3200

### Replacement Cartridges for Models 3100/3200

Material	Silicone	PVC
Applications	Biofluids / Food	General Lab, Viscous Fluids
Tubing I.D. (Flow Rate Range)	Tubing Cartridges (5 each) CAT. No.	Tubing Cartridges (5 each) CAT. No.
1.6mm (3-30 ml/min) - 5 pack	3432K-01	3434K-01
3.2mm (10-130 ml/min) - 5 pack	3432K-02	3434K-02
4.8mm (30-300 ml/min) - 5 pack	3432K-04	3434K-04



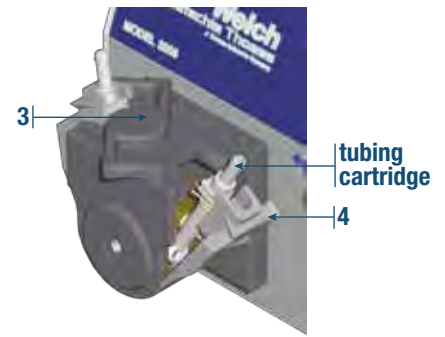
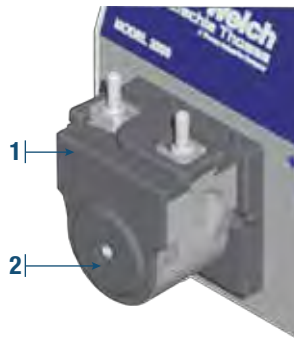
3100



3200

### Service Kit CAT. No. 3200K-02 for Models 3100/3200

ID	Qty.	Description
1	1	Pump Head
2	1	Roller Carrier
3	1	Lock
4	1	Rolling Band



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