

**THERMOCOUPLE
VACUUM GAUGES**

CONVECTION GAUGE

DIAPHRAGM MANOMETER

VACUUM GAUGE

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ANALOG THERMOCOUPLE VACUUM GAUGES: 1 to 1000 mTorr

- Reliable Thermocouple gauge 1 to 1000 mTorr (microns)
- Indicator only or indicator with two set points
- Stainless tubes and special flanges are available
- Operates with power from 90 to 240 volts, 50/60 Hz
- Zero to 5 volt output for computer I/O or control
- Fits the same cutout as Hastings, Televac and Varian
- Use with ISA-TC-400 or Hastings DV-6M gauge tubes
- Accuracy - better than plus or minus mTorr from 1 to 20 Torr. Better than 5% from 20 - 1000 mTorr.
- Response time - 1 mTorr up to atmosphere: 1 second; from atmosphere down to 1 mTorr; 10 seconds

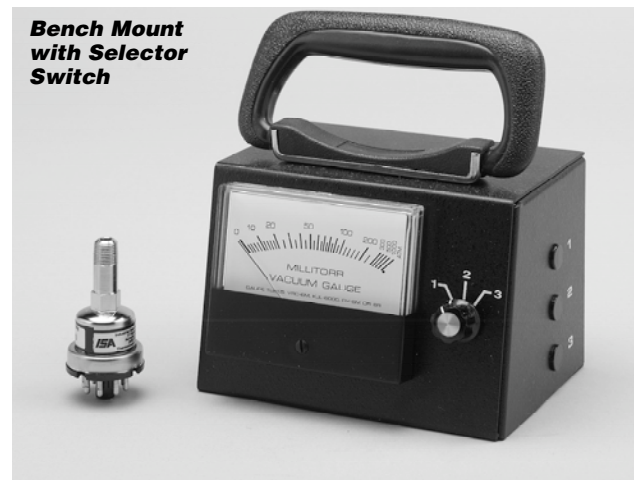
DESCRIPTION	PART NUMBER	UNIT PRICE
Indicator; 1 to 1000 mTorr Meter	Part #902111	Call
Dual Set Point Controller 1- 1000 mTorr	Part #902109	Call
3-Position Gauge Selector Switch	Part #902113	Call
Standard Bench Mount/Carrying Handle	Part #902112	Call
Thermocouple Gauge Tube (1/8" NPT)	Part #TC-400	Call



Indicator: 1 to 1000 mTorr



Dual Set Point Controller 1 to 1000 mTorr



Bench Mount with Selector Switch

3 Position Thermocouple Gauge Tube Selector Switch includes 3 cables 10 feet (3m) long and 3 connectors. (Gauge tubes not included) Factory installed when ordered with bench mount standard—otherwise requires .375 inch diameter panel hole.



VACUUM GAUGE Range 0 to 30" Hg. 1/4" Male NPT (Brass)

PART NUMBER	PRICE
AVG-0-30	Call

ISA WIDE RANGE VACUUM GAUGES

Convection Gauge: 1mTorr to Atmosphere

- Wide Range; 1 mTorr to Atmosphere
- Calibrated for Air; Other Gases Optional
- Linear Analog Outputs for Computer Interface
- Large Easy to Read LED Display
- 1/4 DIN Bench or Panel Mount Enclosure
- Four Set Points and 3 Amp Relays Optional
- Single Thermal Sensor Covers Entire Range
- Under 1 Second Response to Rising Pressure
- 4 Second Response to Dropping Pressure
- All Cables and Mounting Hardware Included
- Extension Cables up to 500 Feet Optional
- Tube Sold Separately

The Convection Gauge is the lowest cost instrument that can provide a continuous monitoring and control of your vacuum system from atmosphere all the way down to 1 mTorr. Unlike the Pirani or thermocouple gauges which only cover the lower part of the pump down, the convection gauge can alert operators to possible problems at any pressure.

Diaphragm Manometer: 1mTorr to 1500 Torr

- Wide Range; 1mTorr to 1500 Torr
- Linear With Any Gas from 2 to 1500 Torr
- Large Easy to Read LED Display
- 1/4 DIN Bench or Panel Mount Enclosure
- Linear Analog Outputs for Computer Interface
- Four Set Points and 3 Amp Relays
- Stainless Steel or Silicon Diaphragms Available
- 400 mSec. Response Time From 2 to 1500 Torr
- 1.25 Sec. Response Time From 1 to 2000mTorr
- All Cables and Hardware Included
- Extension Cables up to 500 Feet Optional
- Transducer Sold Separately

The ISA Wide Range Manometer uses a fast response diaphragm sensor to provide high accuracy measurements that are unaffected by gas compositions from 2 to 1500 Torr.



Ordering Information

DESCRIPTION	PRICE
Micro Controller: 4 adjustable set points/4 relays & 3 linear outputs	Call
Micro Indicator: No set points or analog outputs	Call
Digital Indicator: 3 linear analog outputs & no set points	Call
Convection Tube: 1/8" NPT and 1/2" OD tubing	Call
<i>Specify 115 or 230V, 50/60 Hz Power when ordering</i>	



Ordering Information

DESCRIPTION	PRICE
Standard Wide Range Gauge Display: 2 set points and 2 analog outputs	Call
Wide Range Display Auxiliary Outputs: 4 set points & 4 analog outputs	Call
Transducers with Silicone Diaphragm: 1/8" or 1/2" NPT	Call
Transducers with 316 Stainless Steel Diaphragm: 1/8" or 1/2" NPT	Call
<i>Specify 115 or 230V, 50/60 Hz Power when ordering</i>	

