

MP7ER/7FR COLD CATHODE REMOTE

Double Inverted Magnetron Range 7ER: 10⁻² to 10⁻⁸ Torr

Range 7FR: 10^{-2} to 10^{-11} Torr

- PERFORMANCE Patented Double Inverted magnetron technology enabling accurate high and ultra-high vacuum measurement, the highest vacuum measurement available using cold ionization technology.
- **DESIGN** Compact, rugged design with digital display for easy production floor inspection.
- **EFFICIENCY** Cleanable 7E sensor and replaceable 7F sensor with interchangeability without calibration.
- ECONOMY Self contained electronics and sensor reduces the system cost and saves valuable space eliminating traditional panel-mount instrumentation.

Description

The MP7ER and MP7FR Series Cold Cathode Double Inverted Magnetron Remote gauges measure a wide vacuum range and the patented unique double magnet design provides reduced xray limits ensuring quick starts at high vacuum. The 7E sensor measures high vacuum 10⁻² to 10⁻⁸ Torr and the 7F measures ultra high vacuum 10⁻² to 10⁻¹¹ Torr. The design of the MP7ER and MP7FR has proved to be rugged and reliable in applications from scientific instruments to industrial systems. The robust design can withstand sudden in-rushes of gas and are impervious to contamination compared to traditional high vacuum measurement techniques. The compactness of the MP7ER and MP7FR will allow it to fit in almost any space area and be mounted in any position. The self-contained electronics allows you to measure vacuum without using traditional large panelmount instrumentation systems, clearly a more economical solution. Linear 0-10V analog output signal can be used for remote displaying and controlling of your vacuum measurement system. The easily adjustable setpoint feature uses a Form C relay contact allowing you to control other functions of your process. 7E and 7F sensors are bakeable to 300 C with the fast and easy removal of electronics and magnets

Applications:

Ion implantationLaserAircraft productionData storageElectron accelerationMass spectrometry

MP7FR REMOTE DIGITAL CC ION GAUGE DISPLAY DISP





TELEVAC - 2400 Philmont Avenue - Huntingdon Valley, PA 19006 Ph: 21999年秋年時日本地、グッッタアキウェローでの/ 世紀的ないのである。21999年の日本地である。21999年の1999年の日本地である。21999年の日本地である。21999年の日本地である。21999年の日本地である。21999年の月末期間である。21999年の日本地である。21999年の日本地である。21999年の日本地である。21999年の日本地である。21999年の日本地である。21999年の日本地である。21999年の日本地である。21999年の日本地である。21999年の1999年の1999年の1999年の1999年の1999年の1999年の1999年の1999年の1999年の1999年の199

SUNSTAR传感与控制 Ordering Informatio	MP7ER/7F Remote (http://www.sensor-ic.com/ TEL:075	Cold Cathode Gau 5-83376549 FAX:0755-83376182 Specifications	IGE E-MAIL:szss200163.com
P7ER Analog output with LED I 1 relay contact – HV vacuum so Display range: 10-2 to 10-8 Tori	ensor	, Range	⁻² to 10 ⁻⁸ TorMP7ER: 10 MP7FR: 10 ⁻² to 10 ⁻¹¹ Torr
Display range: 10-2 to 10-8 Forr 2 - 7970 - X YY IP7FR Analog output with LED Display 2 - 7970 - X YY 1 relay contact – UHV Vacuum Sensor Image: 10-2 to 10-10 Torr		Accuracy	+/- 0.2 of decade of reading Sensitivity 6.5 amps/Torr at 10-6 Torr
		Mounting Orientation	None
X 0 –10 V O	utput	Input Voltage/Power	Required +24V DC @ 250 mA Power ON Indicator LED included
Logarithmic: Range: 10-2 to 10-10	Torr	Ion Control	Ion ON/OFF Control is included
¹ 8V = 10-2 Torr 0V = 10-10 Torr Linear: 0-10V for use	7E 10-8 Torr Max with 7E Sensor	Setpoint Relay	Form C Contact 24V .5 A rating
Range: 10-3 to 10-6 10V = 10-3 Torr		Operating Temperature	+ 15 to +50 C
2 1 V = 10-4 Torr 0.1V = 10-5 Torr 0.01V = 10-6 Torr		Calibration Medium	Dry Air or Nitrogen
Logarithmic: Range: 10-2 to 10-11	Torr	Sensor Material	Stainless Steel (Type 304)
3 9V = 10-2 Torr 0V = 10-11 Torr		Overpressure Tolerance	150 PSI
Vacuum Fitti	7E 10-8 Torr Max	Electrical Connect	ions
13 1" Port Diameter (available only with 7E S			 CRTL Act Lo Power common
30 NW16 KF Flange (available only with 7E S	ensor)	9876	 Lin/Log signal +24Volts
31 NW25 KF Flange		(9921 .)	 Relay normally closed Relay normally open
32 NW40 KF Flange			 7. Signal ground 8. Relay common
52 2.75" Conflat Flange		Output Croph	9. Set point output
Sensor Only Replacements Part Number		Output Graph	IP7FR (LOG) to
 7E Sensor w/ NW16, Stainling 7E Sensor w/ NW25, Stainling 7E Sensor w/ 2 ¾" Conflat, s 7F Sensor w/ NW25, Stainling 7F Sensor w/ NW40 KF Flat 7F Sensor w/ 2 ¾" Conflat, s 7F Sensor w/ 2 ¾" Conflat,	ess 2-2141-031 nge, stainless 2-2141-001 stainless 2-2145-031 nge, stainless 2-2145-001 stainless 2-2145-052 request, contact factory ads 2-9852-010 ads 2-9852-020 ads 2-9852-035		
		1.00E-10 1.00E-09 1.00E-08 1.0	0E-07 1.00E-06 1.00E-05 1.00E-04 1.00E-03 1.0 PRESSURE (TORR)

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