

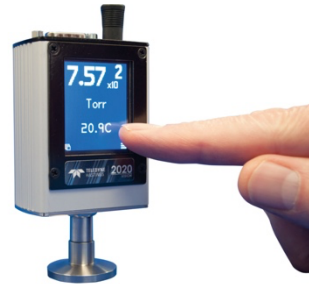
Teledyne Hastings- HVG-2020B

Description

The HVG-2020B wide range, dual sensor vacuum gauge takes measurement to the next level. With a Piezo based sensor and a thermal based Pirani sensor accurately and confidently measure pressures across seven decades. The Piezo sensor is media isolated, gas composition independent, and periodically zeroed by the Pirani sensor. An ambient thermal sensor enables the instrument to adjust for temperature and therefore better accuracy.

The optional touchscreen display, free windows data acquisition software and a variety of digital communication paths makes the HVG-2020B flexible and user friendly. Whether you need USB, RS 232, RS 485, linear or log outputs, graphical displays or data acquisition logging, this wide range gauge can perform.

- Dual Sensor Vacuum Gauge
- Gas Composition Independent
- Wide Range
- Optional Touch Screen Display
- Flexible and User Friendly



Specification

Specification	HVG-2020B	
Vacuum Range:	0.1 mTorr to -1000 Torr	
Accuracy*:	10 Torr - 1000 Torr 1 mTorr - 10 Torr 0.2 mTorr - 1 mTorr	+(0.1% of Reading +0.3 Torr) +(5% of Reading +0.25 mTorr) +(10% of Reading +0.25 mTorr)
Operating Temperature:	-20 to 70 °C	
Analog Output (Voltage):	0-1 VDC, 0-5 VDC, 0-10 VDC Linear & Log	
Analog Output (Current):	0-20 mA, 4-20 mA	
Input Voltage:	12-36 VDC	
Wetted Materials:	304 and 316L Stainless Steel, Glass, Ni, Au	
Process Control Setpoints:	Dual TTL (High & Low)	
*Includes non-linearity, hysteresis, repeatability at ambient operating temperature after 2 hours warm up followed by zero adjustment.		

To specify your HVG-2020B Vacuum Gauge please see the next 3 pages for a Build Sheet and accessories listing, or contact Drysdale & Associates at Sales@DrysdaleAssoc.com or call 513-831-9625.

Choose one from each set of options below:

Mark choice
in this column

HVG-2020B				
	OUTPUT OPTIONS			
		01	0-1 VDC Linear	
		02	0-5 VDC Linear	
		03	0-10 VDC Linear	
		04	4-20 mA Linear	
		05	0-20 mA Linear	
		06	1 V / decade (1-8 VDC) Log	
		07	1 V / decade (1.6249 - 8.6249 VDC) Log	
		08	1 V / decade (2 - 9 VDC) Log	
		09	1.286 V / decade (1.1616 - 10.1616 VDC) Log	
		10	2.0 mA / decade (4 - 20 mA) Log	
		11	2.5 mA / decade (0 - 20 mA) Log	
	CONNECTION OPTIONS			
		01	1/8" NPT (Standard)	
		02	1/4" VCR	
		03	1.33" Mini-CF	
		04	2.75" CF	
		05	KF-16	
		06	KF-25	
		07	1/2" OD Weld Stub	
		08	1/2" VCR	

Build Sheet page 2 of 3				
	MEASUREMENT UNIT OPTIONS			
		01	Torr (Standard)	
		02	mbar	
		03	kPa	
		04	PSIA	
		05	Bar	
		06	Pa	
		07	Atm	
	POWER SUPPLY OPTIONS			
		02	RS232 & USB	
		03	RS485 & USB	
	DISPLAY OPTIONS			
		01	Display	
		02	No Display	
	CALIBRATION OPTIONS			
		00	NIST Calibration (Standard)	
		01	NIST Traceable Certificate with Data	

Build Sheet page 3 of 3				
ACCESSORIES & CABLES FOR HVG-2020B				
	THCD-101-LOG Remote Display for HVG-2020B			
		THCD-101-LOG	1 Ch Remote Display for HVG-2020B	
			Includes Mounting Brackets, 15-Pin "D" Male Connector and Backshell; 9-Pin "D" Male Connector and Backshell. Set up for 0-10vdc linear or 0-5vdc linear analog signal.	
	Power Accessories			
		12-01-169	24 VDC Switching Power Supply. Can directly power HVG-2020A, HVG-2020B, or THCD-101	
		12-01-160	AC Input Clip, US	
	HVG-2020B CABLES			
		CB-AF-8-HVG9M	Connects THCD-101 (15-pin) to HVG-2020B (9-pin), 8 Ft	
		65-170	Cable (9-pin) to bare leads, 8 ft. (Contact Drysdale & Associates for custom length cables.)	
		CB-RS232-TRRS	RS232 Communication Cable Female DE9 Connector to Male TRRS Jack 6 ft.	
		CB-USB-Micro-B	Connects HVG-2020B (Micro USB) to USB	