Data Sheet

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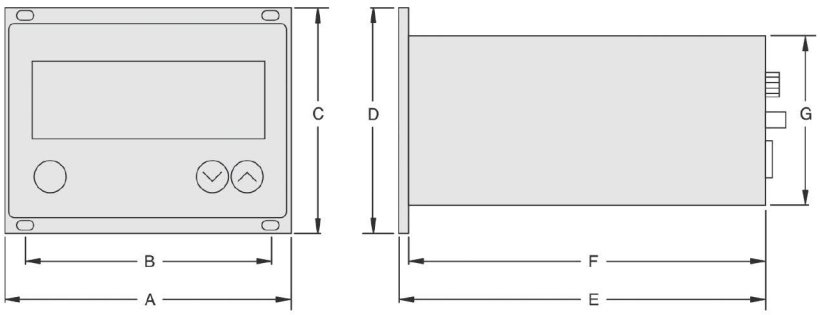
AGC-100/AGD-100
Vacuum Gauge Controller



	A	B	C	D	E	F	G
AGC-100	106 (4.2)	91 (3.6)	78 3.1	84 3.3	210 8.3	207 8.2	67 (2.6)
AGD-100	106 (4.2)	91 (3.6)	78 (3.1)	84 (3.3)	136 (5.3)	132 5.2	62 (2.4)

Dimensions: millimeters (inches)

AGC-100 is a single channel controller compatible with the FRG-7xx, PVG-5xx, PCG-75x, and CDG-500 series of active gauges and automatically identifies the active gauge connected. This gauge controller has both USB and ethernet ports. AGD-100 is a single channel display option for the FRG-700/702, PVG-5xx, and PCG-75x series of active gauges.

Both units have user selectable measurement unit (mbar, Torr, Pascal), and adjustable setpoint control. Both units can also display readings from almost any competitor's Pirani and cold cathode gauges.

Features	Benefits
Automatic identification of Agilent active gauges	Ease of setup
User selectable pressure units (mbar, Torr, Pascal)	Global compatibility
Adjustable setpoint control	Utilize pressure readings to perform critical operations

Technical Specifications

Measurement channels	One (1)
Measurement range	2 x 10^{-10} to 1500 mbar (1.5 x 10^{-10} to 1125 Torr)
Measurement unit (selectable)	mbar, Torr, Pascal
Rate	10/sec
A/D converter	16 bit
Setpoints	
Setpoint relays	One (1)
Channel assignment	One (1)
Relay contact	Potential free change over contact
Hysterisis	Adjustable
Contact rating	30 VAC/1A; 60 VDC/0.5A
Connector	D-Sub, 9 pin, male
Display	LED
Analog output	
Range	0-10.3 V, sensor analog output signal
Connector	D-Sub, 9 pin, male
Supply	90-250 V, 50/60 Hz
Consumption	30W
Operation temperature (ambient)	5 to 50 °C
Digital interface (AGC-100 only)	RS-232C ; D-Sub, 9 pin, female

Ordering Information

Description	**Part Number**
Active Gauge Controller for FRG 7xx, PVG-5xx, PCG-75x and CDG-500 Series	AGC100
Active Gauge Display for FRG-700/702 and PVG-5xx and PCG-75x Series	AGD100
Accessories	
Front adapter for controller, rack adaptor, 3u	AGC100ADPT
Cable (FRG700/702, PVG, PCG) – 3 m (9.9 ft)	AGCCBL103
Cable (FRG700/702, PVG, PCG) – 5 m (16.4 ft)	AGCCBL105
Cable (FRG700/702, PVG, PCG) – 10 m (33 ft)	AGCCBL110
Cable (FRG720/730) – 3 m (9.9 ft)	AGCCBL203
Cable (FRG720/730) – 5 m (16.4 ft)	AGCCBL205
Cable (FRG720/730) – 10 m (33 ft)	AGCCBL210
Cable (CDG500) – 3 m (9.9 ft)	AGCCBL303
Cable (CDG500) – 5 m (16.4 ft)	AGCCBL305
Cable (CDG500) – 10 m (33 ft)	AGCCBL310
Power Cord Selection One power cord included with each unit	
Europe, 10 A/220-230 VAC, 2.5 meter	656494220
Denmark, 10 A/220-230 VAC, 2.5 meter	656494225
Switzerland, 10 A/230 VAC, 2.5 meter	656494235
UK/Ireland, 13 A/230 VAC, 2.5 meter	656494250
India, 10 A/220-250 VAC, 2.5 meter	656494245
Israel, 10 A/230 VAC, 2.5 meter	656494230
Japan, 12 A/100 VAC, 2.3 meter	656494240
North America, 13 A/125 VAC, 2.0 meter	656458203

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https://www.agilent.com/en/product/vacuum-technologies/vacuum-measurement/gauge-controllers/agc-100-agd100-controller

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