

Supply of 6 Channel Display and Vacuum Controller with Gauges

Technical specifications

SN	Item Description	
1	Display and Vacuum Controller	
	Quantity	2 No's
	Connection for gauges	6 numbers (minimum) with analog output signal
	Measurement Display	Simultaneous display of six pressure readings
	Display of measured values	Digital, LED/ LCD, 2 digits precision or better
	Unit of measurement	mbar, Torr, Pa (user selectable)
	Threshold for switching	adjustable in the measurement range
	Display rate	10 per second or better
	Error signal	1 Number potential-free contact shall be provided
	Interface	RS-232 or RS-422 or USB or Ethernet
	Auxiliary Power Supply	230 VAC +/-10% at 50 Hz,
	Auxiliary Power consumption	250 VA or less
	Measurement range	1000 mbar to 5×10^{-9} or better
	Measurement rate	50 per second or better
	Measuring channels	6 channels (minimum)
	Protection category	IP 30 or better
	Safety	EN61010-1 / IEC 1010, EN60950, EN 50081-1 / EN50082-1
	Set point	<ul style="list-style-type: none"> • 6 numbers of potential free contacts (Normally Open or Change Over) • Independently assignable to the measurement channels • 1 A at 30V AC and 0.5 A at 60V DC
	Switch-point	<ul style="list-style-type: none"> • AC Current 0.8 A and Voltage 28 V AC or better • DC Current 0.4 A and Voltage 50 V DC or better
	Features	<ul style="list-style-type: none"> • Direct data storage on USB flash memory (data and settings) • Connectivity for USB or RS-485 or Ethernet
	Dimension	Suitable for panel flush mount
2	Active Pirani Vacuum Gauge Head	
	Quantity	10 No's
	Measurement range	5×10^{-4} mbar to 1000 mbar or better
	Accuracy	± 15 % for the range 10^{-3} - 100 mbar
	Material and	Stainless steel or steel alloy or better
	Sealing	metal or metal alloy
	Feedthrough	Glass or better
	Filament	Tungsten or better
	Flange Material	Stainless steel or better
	Flange Size	DN 16 ISO-KF
	Withstanding Pressure	8 bar or better
	Repeatability	± 2 % for the range of 10^{-3} - 100 mbar
	Sensor cable transmission	Up to 200 m or better

	length	
	Power consumption	Maximum 2 W
	Resolution	+/- 2 % of reading
	Response time	100 ms or better
	Protection category	IP 40 or better
3	Sensor cable	
	Quantity	01 No.
	Length and suitability	length of 10 meter suitable for above pirani gauge head (item Sl. No. 2) to controller shall be supplied
4	Active Pirani & Cold Cathode Combined (Full range) Vacuum Gauge head	
	Quantity	10 No's
	Measurement range	5 x10 ⁻⁹ mbar to 5000 mbar or better
	Accuracy	± 30 % for the range 10 ⁻⁸ - 100 mbar
	Feedthrough	Al ₂ O ₃ or Glass or equivalent
	Filament	Tungsten or Molybdenum or equivalent
	Flange Material	Stainless steel
	Flange size	DN 25 ISO-KF
	Withstanding Pressure	8 bar or better
	Repeatability:	± 10 % for the range of 10 ⁻⁸ - 100 mbar
	Seal	FPM (fluoroelastomer) or equivalent synthetic rubber material
	Sensor cable transmission length	200 m or better
	Supply: Power consumption	Maximum 10 W
5	Sensor cable for full range gauge	
	Quantity	01 No.
	Length and suitability	length of 10 meter suitable for above full range gauge head (item Sl. No. 4) to controller shall be supplied

Note

1. Point by point compliance statement for all specification should be sent along with quote.
Offers without compliance statement will not be considered
2. Complete Offer for all the items only will be accepted. Partial offers and incomplete offers will not be considered.
3. Product catalogue or data sheet supporting offered specifications shall be submitted along with the quote
4. Warranty for the minimum period of one year should be provided
5. Final inspection and acceptance at stores, LEOS.