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Find the *MKS Instruments 670B* at our website: ***Click HERE***

Type 670B Electronics/Display Unit

The Type 670B Display Unit has a front panel that allows for full control of all the instrument's features. All functions can be monitored and controlled via the RS-232 or IEEE-488 interface. Range switching may be done manually or automatically with the 670B, selecting the lowest possible on-scale range. A key-lock switch on the front panel determines Local or Remote control. The 670B may be used with any sensor Full Scale and will display pressure in any one of 12 engineering units. Sensor response time may be set for 1, 40, or 400 msec, and a data averaging feature allows the user to average signals from 0.1 to 10 seconds, to optimize the pressure readings for transients or noisy pressures.



670B Features & Benefits

- Microprocessor-based electronics unit provides power, signal conditioning, and display for operating all MKS High Accuracy Baratron pressure sensors
- Analog and digital input/output signals facilitate interfacing to computers and process control systems
- Two built-in alarm relays provide process pressure trip points
- CE Mark compliant – meets requirements for European Union[1]

670B Specifications

Compatible Sensors & Ranges	MKS Type 590, 615, 616, 690, 698, from 0.1 to 25,000 mmHg (Torr) F.S.
Display	2-line LCD, readings updated twice/second
Resolution	3½, 4½, or 5½ digits, user-selectable (Note: Useable system resolution depends upon sensor choice and application.)
Engineering Units	Torr, mTorr, mmHg, mbar, Pa, kPa, inHg, in$H_2$0, cm$H_2$0, psi, % of F.S., ppm of F.S. (All user-selectable)
Ranges	x1, x0.1, x0.01 of sensor F.S., manual or auto-ranging
Response Time	1, 40, or 400 msec, user-selectable
Data Averaging	0.1 to 10 sec, user-selectable
Outputs	
Analog	0 to ±10 VDC on each range into >10K Ω load
Impedance	<1
Connectors	I/O: 37-pin female Type "D", Remote signal: 9-pin male Type "D"
Digital	
RS-232 Connector	9-pin male Type "D"
IEEE-488 Connector	24-pin female IEEE-488. 1 standard pin assignment.
Process Trip Point Relays	Two, 24 VAC/DC @ 1 Amp resistive (contact ratings) Two LEDs on front panel indicate status of each relay
Operating Temperature Range	15° to 40° C
Power Required	90-132 or 180-264 VAC, 50-60 Hz, 75 VA (max.) IEC-AC power line connector
Size	88 mm H x 240 mm W x 234 mm D (3.5" H x 9.5" W x 9.25" D)

[1]Fully compliant to EMC Directive 89/336/EEC when used with an overall metal braided shielded cable, properly grounded at both ends.
Also compliant to Low Voltage Directive 72/23/EEC.

Type 670B Ordering Information

Ordering Code Example: 670Bxyz	Code	Configuration
Type 670B Electronics/Display Unit	**670B**	670B
Interface (xyz)		
RS-232	D21	D21
IEEE-488	D81	

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