

Unit Instruments DX-5  
**Digital Control System**



Artisan Technology Group

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# DX-5 Series

## Digital Control System

### Applications

- » General process control
- » OEM instrumentation
- » R&D bench control
- » Lab bench control
- » Testing facilities



### Features at a glance

- Controls five mass flow controllers or meters and one pressure controller
- Depicts set point and actual readings
- One pressure transducer input
- Built-in program alarms
- Flow set entered in percentage of full scale
- Easy to use touch screen display
- Remote monitoring via RS-232
- Communication interface to LabView® and other GUI's
- 100/120/220/240VAC—47 to 63 Hz
- 19" rack mount capability

### Performance advantage

The model DX-5 digital control system is capable of controlling up to five mass flow controllers or meters and one pressure controller. Setpoint and output are clearly shown as a percentage of full scale on the blue/white touch screen display.

### Proven design and performance

#### • Design flexibility

User friendly menu screens enable configuration on each channel. The DX-5 has a unique integrated pressure control loop

which can be used with a Unit pressure controller to maintain constant pressure in any flow system. Each channel can also be configured and monitored via a remote RS232 communication interface using a simplified ASCII command set. This highly versatile system provides far greater flexibility than conventional power supplies offered in the industry today. Refine, monitor, or automate any mass flow process with Unit's easy to use digital control system.

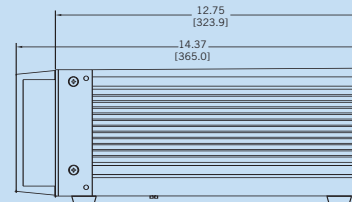
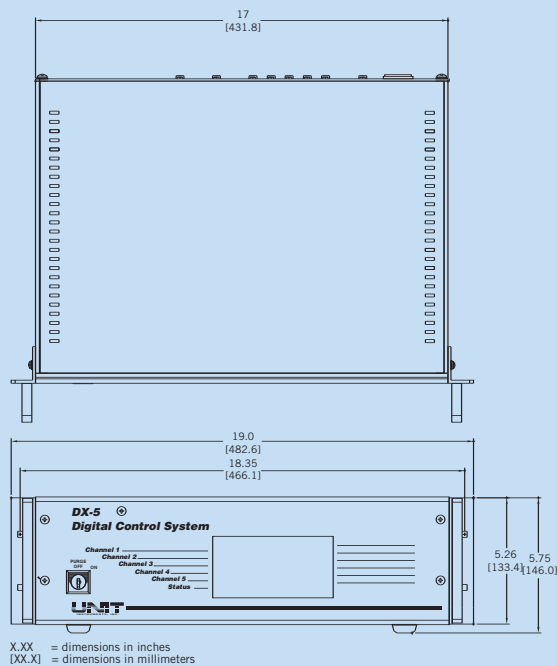
#### • Remote monitoring and control

Remote monitoring and control via a RS232 cable input. Through a predefined command set the DX-5 is capable of being operated remotely through industry standard SCADA or laboratory GUI interfaces such as LabView.

### The best service and support in the industry

Celerity is unmatched in the industry for service and support. We have worldwide service locations with calibration, application support, and repair capabilities, operating 24 hours a day, 7 days a week. Celerity's website also provides updated application and technical support.





## DX-5 Series Product Configuration

DX-5	Digital Control System
E	Cardedge MFC Connector Cable 0-5 VDC—Standard
U	15 Pin "D" MFC Connector Cable (UDU15) 0-5 VDC—Standard
T	9 Pin "D" MFC Connector Cable (UDU9) Unit 0-5 VDC
L	Local Control
R	Remote Control—Generic Serial Output
6	7 Feet of Cable Standard—Qty. 5 Cables Included
12	12 Feet of Cable
20	20 Feet of Cable
30	30 Feet of Cable

Example:

DX-5	U	L	6
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**Note:**  
OEM Packaging Available—Consult Factory



CELERTY, INC.  
915 Enterprise Boulevard  
Allen, TX 75013 USA  
Telephone 972.359.4000  
Facsimile 972.359.4100  
www.celerity.net



For technical assistance, contact Celerity Technical Support at 972.359.4000.

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