

MT820DFP - Data Sheet

DIGITAL FLOW PANEL 820DFP (19" and 23")



Introduction

The MT820DFP digital flow panel is designed with advanced technology to distribute dry air to 10 cables; at the same time, it will monitor the air supply to the cables. It was designed with high resolution flow and pressure transducers to measure the supply to the 10 cables and the air pressure at which the air flows. It displays the readings in highly visible 2-digit LED's. The RS422 digital flow panel interface provides remote centralized control capability for the air flow and pressure.

Features

- Microprocessor controlled.
- Ten distribution flow outlets, one air inlet.
- Local display of ten cable flows plus panel pressure.
- Advanced compensation techniques for the different pressure and the temperature gives high accuracy of flow the measurements.
- With the advanced transducers and scientific design, less than 0.2PSI pressure drop through MT820DFP.
- Compatible with all Sparton and Monitronix air pressure systems.
- Built in RS422 bus communications.
- Most compact and flexible 10-way panel available.
- Drop-in replacement for ageing mechanical (Rotameter) type flow panels.

Contact:

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General Characteristics

Description

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Technical Characteristics

Controller <ul style="list-style-type: none"> Processor Local displays 	<ul style="list-style-type: none"> 89C52 11 x 2-digit LED
Electrical Noise Immunity <ul style="list-style-type: none"> Technical Characteristics: 	<ul style="list-style-type: none"> Meets CE and FCC Part 15 standards.
Environmental Conditions <ul style="list-style-type: none"> Continuous operation Transportation and storage Relative humidity 	<ul style="list-style-type: none"> 0° to +50° C -40° to +70° C 0 to 95% non-condensing
Power <ul style="list-style-type: none"> Input Voltage Power Consumption 	<ul style="list-style-type: none"> -36 to -72 VDC 15 watts maximum
Physical Properties <ul style="list-style-type: none"> Dimensions Mounting Local bus port Inlet tube fitting Outlet tube fittings Shut off valve 	<ul style="list-style-type: none"> 19" × 2U 19" rack RS-422 3/8" tube fitting 1/4" tube fittings On/Off
Measurement Performance <ul style="list-style-type: none"> Cable flow range Cable flow accuracy Total flow range Pressure range Pressure accuracy 	<ul style="list-style-type: none"> 0.5-20 SCFH +/- 0.3 SCFH 0 - 200 SCFH 0-14.5 PSI +/- 0.15 PSI

Email: technicalsupport@vpsolutionsgroup.com Web: www.vpsolutionsllc.com