

# Fluke 922

## Airflow Meter/ Micromanometer

### Technical Data



Today's HVAC technicians need a simple solution for diagnosing ventilation issues. The Fluke 922 makes airflow measurements easy by combining pressure, air flow, and velocity into a single, rugged meter. Compatible with most pitot tubes, the Fluke 922 allows technicians to conveniently enter their duct shape and dimensions for maximum measurement accuracy.

#### **The Fluke 922 Airflow Meter helps you:**

- Monitor air pressure across key HVAC components
- Ensure proper air flow balance
- Promote good indoor air quality
- Maintain a comfortable environment

#### **Use the Fluke 922 to:**

- Measure pressure drops across filters and coils
- Match ventilation to occupant loads
- Monitor indoor vs. outdoor pressure relationships and manage the building envelope
- Perform duct traversals for accurate airflow readings

#### **Features:**

- Powerful meter provides differential and static pressure, air velocity and flow readings
- Rugged design built for field use
- Easy to use without sacrificing performance
- User-defined duct shape and size for maximum airflow accuracy
- Convenient colored hoses help you properly diagnose pressure readings
- Bright, backlit display for clear viewing in all environments
- Min/Max/Average/Hold functions for easy data analysis
- Auto power off saves battery life



## Fluke 922 Airflow Meter Specifications

| Feature                            | Range                                                                                             | Resolution                                                                                  | Accuracy                                                                                                                           |
|------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating Specifications</b>    |                                                                                                   |                                                                                             |                                                                                                                                    |
| <b>Air Pressure</b>                | ± 4000 Pascals<br>± 16 in H <sub>2</sub> O<br>± 400 mm H <sub>2</sub> O<br>± 40 mbar<br>± 0.6 PSI | 1 Pascal<br>0.001 in H <sub>2</sub> O<br>0.1 mm H <sub>2</sub> O<br>0.01 mbar<br>0.0001 PSI | ± 1 % + 1 Pascal<br>± 1 % + 0.01 in H <sub>2</sub> O<br>± 1 % + 0.1 mm H <sub>2</sub> O<br>± 1 % + 0.01 mbar<br>± 1 % + 0.0001 PSI |
| <b>Air Velocity</b>                | 250 to 16,000 fpm<br>1 to 80 m/s                                                                  | 1 fpm<br>0.001 m/s                                                                          | ± 2.5 % of reading at 2000 fpm (10.00 m/s)                                                                                         |
| <b>Air Flow (Volume)</b>           | 0 to 99,999 cfm<br>0 to 99,999 m <sup>3</sup> /hr<br>0 to 99,999 l/s                              | 1 cfm<br>1 m <sup>3</sup> /hr<br>1 l/s                                                      | Accuracy is a function of velocity and duct size                                                                                   |
| <b>Temperature</b>                 | 0 °C to 50 °C<br>32 °F to 122 °F                                                                  | 0.1 °C<br>0.1 °F                                                                            | ± 1 % + 2 °C<br>± 1 % + 4 °F                                                                                                       |
| <b>General Specifications</b>      |                                                                                                   |                                                                                             |                                                                                                                                    |
| <b>Operating Temperature</b>       | 0 °C to +50 °C (+32 °F to +122 °F)                                                                |                                                                                             |                                                                                                                                    |
| <b>Storage Temperature</b>         | -40 °C to +60 °C (-40 °F to +140 °F)                                                              |                                                                                             |                                                                                                                                    |
| <b>Operating Relative Humidity</b> | 0 % to 90 %, non-condensing                                                                       |                                                                                             |                                                                                                                                    |
| <b>IP Rating</b>                   | IP40                                                                                              |                                                                                             |                                                                                                                                    |
| <b>Operating Altitude</b>          | 2000 m                                                                                            |                                                                                             |                                                                                                                                    |
| <b>Storage Altitude</b>            | 12000 m                                                                                           |                                                                                             |                                                                                                                                    |
| <b>EMI, RFI, EMC</b>               | Meets requirements for EN61326-1                                                                  |                                                                                             |                                                                                                                                    |
| <b>Vibration</b>                   | MIL-PREF-28800F, Class 3                                                                          |                                                                                             |                                                                                                                                    |
| <b>Max Pressure at Each Port</b>   | 10 PSI                                                                                            |                                                                                             |                                                                                                                                    |
| <b>Data Storage</b>                | 99 readings                                                                                       |                                                                                             |                                                                                                                                    |
| <b>Warranty</b>                    | 2 years                                                                                           |                                                                                             |                                                                                                                                    |
| <b>Power</b>                       | Four AA batteries                                                                                 |                                                                                             |                                                                                                                                    |
| <b>Typical Battery Life</b>        | 375 hours without backlight, 80 hours with backlight                                              |                                                                                             |                                                                                                                                    |



### Optional accessories



**PT12**  
Pitot Tube, 12 in



**TPAK**  
ToolPak™



**Fluke 922 comes complete with the following:**  
Fluke 922 Airflow Meter, Two Rubber Hoses, Wrist Strap, Four AA Batteries 1.5 V Alkaline, Users Manual and Soft Carrying Case



**Fluke 922/Kit comes complete with the following:**  
Fluke 922 Airflow Meter, 12 in. pitot tube, ToolPak™, Two Rubber Hoses, Wrist Strap, Four AA Batteries 1.5 V Alkaline, Users Manual and Hard Carrying Case

### Ordering Information

**Fluke-922** Airflow Meter  
**Fluke-922/Kit** Airflow Meter with 12 in Pitot Tube  
**PT12** Pitot Tube, 12 in

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