Cross Compressed Air Flow Monitor

Self-contained air flow monitor which detects air leaks by measuring peak flow rate and the total volume of compressed air consumed

Reduce cost by reducing compressed air lost due to leakage

Reduce your risk by proactively identifying machine issues before they malfunction

Key Features:

- **Easy to use:** Connect to the compressed air inlet, supply power and you're up and monitoring your air use

- **Establish a baseline:** Know the peak threshold for your machine and compare against future readings to detect leaks

- **Know when there's an issue:** Alarms are triggered when a peak threshold measurement is surpassed

- **Data at your fingertips:** Measures and records peak flow, constant flow and total volume of air used which can be transmitted through a variety of communication protocols to many databases and platforms

Connectivity Options:

- Over 300 industrial standard protocols, offering full IIoT capability

- Built-in MQTT connectors for communications via Google Cloud, Amazon AWS and Microsoft Azure

- Embedded OPC UA Client Driver and Historical Access

- Sync to SQL Databases Advanced Web Server for remote access/control which supports HTTPS, HTTP, CSS and JavaScript using any web browser

- Sync Manager to upload Log files to a FTP client

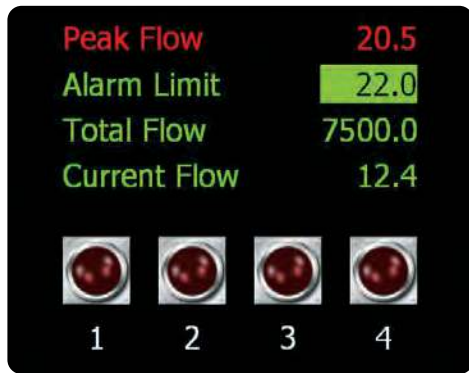## Technical Specifications:

- 0-150 SCFM flow range

- ½″ NPT female connection in and out

- 110 VAC standard power plug

- NEMA 12 enclosure

- Monitors air flow only. Not for use with other gases
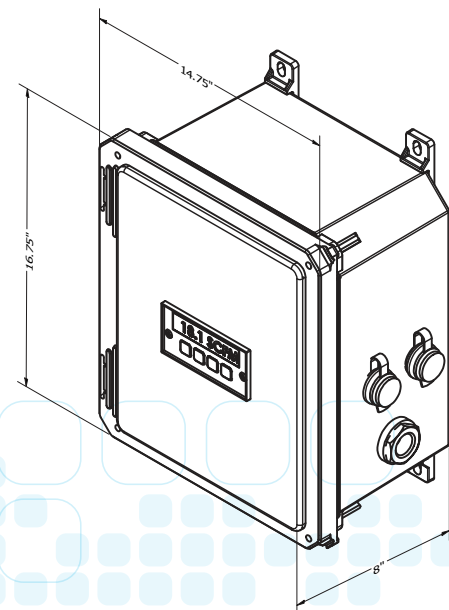
Get Actionable Data from the Cross Compressed Air Flow Monitor
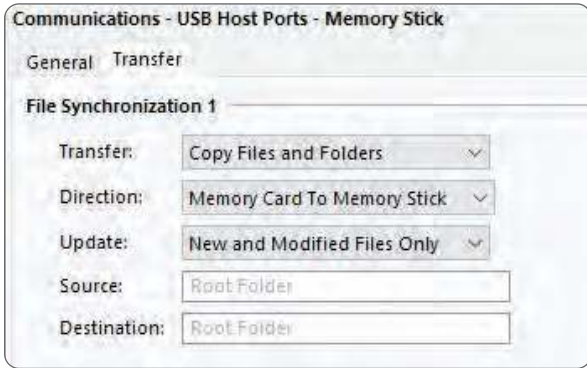
You can record data by plugging a USB memory stick into the airflow monitor.

The Cross Compressed Air Flow Monitor records air usage data every minute. Allowing you to export minute by minute data to a CSV file for easy reporting.

If a laptop is nearby, you can connect directly to the airflow monitor via ethernet and see realtime compressed air usage.

CASE STUDY – Automotive Parts Manufacturer Finds Quick ROI with Cross Air Flow Monitor

Actively monitoring compressed air consumption can have benefits for your bottom line. One of our customers, a manufacturer of automotive parts, found significant savings after just a few months. They used the Cross Compressed Air Flow Monitor to record the amount of air being used by their cabinet cooler. This device utilizes compressed air to cool an electronics cabinet. Because it is exhausting to the atmosphere to cool the cabinet, any extra air used in the process is wasted. For this reason, they wanted to see if they could accomplish the same task while using less air.

To begin, they measured their baseline air consumption which was found to be 33 SCFM at 90 PSI. Because they are using the air to control temperature, they monitored the temperature while reducing the PSI. The customer found that by using only 20 PSI they could maintain 10 SCFM which still keep the cabinet at an acceptable temperature. For this particular customer, it costs around $0.28 to produce 1000 cubic feet of air. They found that over the course of a year utilizing the Cross Air Flow Monitor will save them nearly $4,000 on this single piece of equipment. Other customers have reported prices ranging from $0.25 to $0.50 per 1000 cubic feet, so it is easy to see how the cost savings can quickly add up.