



# cable pressure AirMAIL

## System Studies Incorporated

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**November 14 –15, 2012  
Colorado Convention Center  
Denver, Colorado, USA**

System Studies was on hand this year at the OSP Expo in Denver, Colorado. Several of our key field engineers were able to answer your questions about our extensive line of cable pressurization products and monitoring software — including PressureMAP™, PressureWEB™ and CopperWATCH™. We enjoyed meeting with those of you who were able to attend.

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## PressureMAP™ Verison 28 Available Soon!

Over the past year or so, our software engineers have worked hard to incorporate many important new features into Version 28, as well as several previously requested ones. We're now in the final stages of beta testing the product, and it appears that this latest PressureMAP version will be released before year's end.

One of the most important things about PressureMAP Version 28 is that it is the first software release that has been designed to work exclusively with the Linux Operating System. Going forward, all future PressureMAP development will done on the Linux operating system platform.

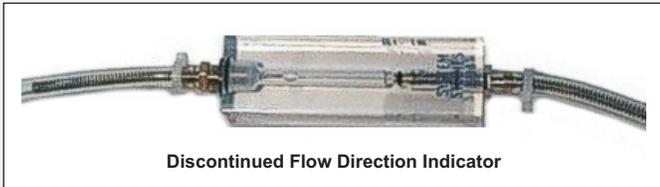
### Features Summary

- Ability to "print" reports to an email address or addresses. This new capability makes it possible to easily distribute important report information via email, where it can be viewed, saved and printed by the recipient.
- Expanded Alarm/Report Center capability. Now, up to 250 offices (the maximum number of offices for one system) can report to an individual center.
- Expanded CPAMS monitor support for PressureWEB realtime readings. This used to pertain only to 289H LSS and uM260 Micro Monitors; now support extends to most monitor types.
- Alarm Delivery Notification. Users now have the ability to choose whether or not an alarm will be sent to Alarm Centers in subsequent (later) calling time slots once it has been delivered successfully to all of the centers defined for the originating calling time. For PressureMAP systems that have been set up to continue alarm delivery, Alarm Centers in later calling time slots will see the keyword SENT displayed on the alarm's status line.
- The origin of a device reading (CALL, ALRT, REAL, etc.) has been added to the Dispatch Histories Display.
- Ability to designate a list of email recipients for each Alarm Center. This capability significantly reduces the number of Alarm Centers that, otherwise, would be required to route alarms to desired recipients.
- The Linux operating system makes it possible for users with Network Administration privileges to reset a Digi PortServer remotely. This feature is useful if the PortServer is powered up and working, but one or more modems connected to it are inoperative.
- PressureMAP Version 28 now generates a four star alarm whenever it encounters an unsuccessful daily backup attempt for one or more offices.
- Email alarms (Full Report, Summary Report and One Report formats) now include a hyperlink to PressureWEB in the header information. The Full Report and Summary Report formats have a link to the Specific Device Information for the device in alarm; the One Report link generates an Alarm View display for the office.
- Option #6 of the User Management Screen allows the System Administrator to force an individual or all users to change their password the next time they log into PressureMAP. This capability streamlines the task of assigning new user logins when security issues or other requirements dictate.
- A new option under Network Administration makes it possible to use Network Time Protocol (NPT) to help synchronize the Linux system's clock with an accurate time source. With this capability you can designate a server on your network to be the local time server for all of your PressureMAP systems and network devices.
- Version 28 includes a new System Update Menu for Linux (CentOS) operating system updates. This feature makes it easy to apply System Studies-tested and certified Linux updates, such as security patches and/or new performance capabilities.

These are just some of the improvements you'll find in PressureMAP Version 28. For a complete list, log onto our AirTalk website (check Software, PressureMAP, [Latest Enhancements](#)) or give us a call at (800) 247-8255.

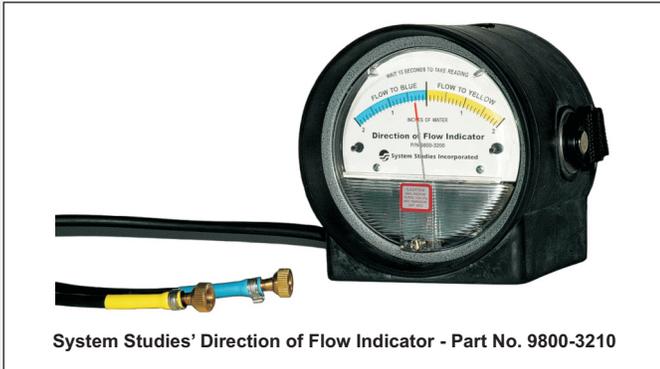
## New Direction of Flow Indicator

Recently, we learned that the **Part No. 9800-3200 Flow Direction Indicator** (photo below) that we have been supplying to our customers over the years has been discontinued by the manufacturer and is not available elsewhere. As the name implies this tool provides a reliable method of determining the direction of air flow between two cables that are interlaced (pneumatically connected) in a manhole. Rather than stop providing this important tool altogether, we decided to build our own version. What we now offer is a replacement for and improvement of the original tool that was once was a common fixture on many telephone company maintenance trucks.



Discontinued Flow Direction Indicator

System Studies' new **Direction of Flow Indicator, Part No. 9800-3210** (below), offers excellent directional sensitivity and reading recognition when tracking the movement of air between cables. It detects the most subtle pressure differential between two cables and identifies the cable with the lower pressure—the one that receives air from the other cable.



System Studies' Direction of Flow Indicator - Part No. 9800-3210

The Direction of Flow Indicator gauge face has a prominent black vertical line that is used to center the tool's reference needle. On opposite sides of this reference point are two color-coded bands (blue and yellow). Two generous lengths of 1/4-inch plastic tubing, each with a threaded tank valve connector on the end, attach to tank valves on the cables being tested. One of the air connectors has an identifying blue plastic collar; the other has a yellow collar.

Once the threaded connectors are attached to each cable being tested, the gauge needle will move either to the left or to the right. For true reading accuracy, you should allow 10 to 15 seconds for the pressure differential between the tested cables to stabilize. If the needle moves into the blue area on the gauge face, this indicates that air is flowing from the cable where the yellow connector is attached to the cable with the blue connector. If the needle moves to the yellow area on the gauge face, the opposite is true.

Unlike the discontinued Flow Direction Indicator, which often created confusion about which air chuck and tube were attached to which cable, the new System Studies flow direction tool makes identification easy. You can quickly distinguish your connections by looking for the brightly colored collar on the tank valve connector end. Once you identify the color of one of the connectors, you'll instantly know the color associated with the other cable being tested—no need to manually trace your tubing connections.

The tool's housing is constructed of metal with a plastic cover over the gauge face. A protective rubber case with a flat bottom base makes it possible to set the gauge on a horizontal surface when taking readings or stowing the tool in the truck. The Direction of Flow Indicator measures 4 inches (10 cm) in diameter, 3.25 inches (8.26 cm) deep and has an adjustable nylon carrying strap. It is provided with a generous 5 foot (152.4 cm) length of tubing, which makes it easy to test cables that are a considerable distance apart.

If you're interested in pricing and availability information for our new 9800-3210 Direction of Flow Indicator, please contact System Studies at **(800) 247-8255** or **(831) 477-8940**.

## Telephone Cable Theft Arrests!

In the last **AirMAIL** bulletin we introduced our new copper cable theft monitoring application: **CopperWATCH™**. The software has since been successful, on several occasions, of identifying telephone cable thefts in progress and generating almost instantaneous alarms.

Early last month CopperWATCH generated an alarm that resulted in the capture and arrest of three individuals who were in the process of tearing down a section of aerial cable for transport. The software's rapid alarming, along with a quick response by an after-hours dispatcher and law enforcement personnel, led to the arrests.

If you'd like to put a stop to telephone cable thefts in your area, give us a call at (800) 247-8255 or (831) 475-5777. The recent arrests are generating strong interest in CopperWATCH, and more and more systems are being installed.

We're confident that this telephone cable theft monitoring application can help you to protect your valuable copper plant. To find out more about CopperWATCH, visit the System Studies AirTalk [website](#) or call us at (800) 247-8255.

