

PressureWEB



The web browser front end to PressureMAP data

Beginning with PressureMAP™ Version 26, MAP System users were given the ability to view important system information and reports over the Internet via a standard web browser. Rather than having to scroll through PressureMAP's complex text menu system to locate a desired report or program function, you can simply click on intuitive hyper-links to access the information you need.

Now in its third revision, and sporting new features and customization options, PressureWEB™ 3.0 sets the bar for PMAP system content access, convenience and capability.

Among the views available in PressureWEB are the following:

- Device Status by Reports with multiple view options (e.g. View by Pipe, Location, Alarm, Type, Device, by Access #, Unit #, Circuit #, Disabled Devices and Devices Not Reading)
- System Quality Index (by Office and by Route)
- Specific Device Information
- Realtime Readings (for 289H LSS and uM260-monitored offices only)
- Pair Diagnostics (for 289H LSS-monitored offices only)
- System Error Reports (per system or per office)
- Alarm Condition information displayed in a pop-up window for each starred and routine PressureMAP Alarm.

PressureWEB's **Setup** application provides plentiful options for sorting report data, defining multiple **My Offices** display structures and refreshing displayed data. Once your selections have been made, a browser cookie is set so that the next time you log onto the program, using the same browser, your program options will be retained.

To enable you to initiate certain program functionality and interaction with office monitors, several of PressureWEB's reports include **Action** links. From the various Device Status Views available, for example, you can click a link to generate and print the most recent readings for the entire office. When viewing Specific Device Information, the **Action** button produces the following links:

- **Map Device**—if a device listing contains latitude and longitude information, this link produces a Google Map of the device's location.
- **Route Tone**—makes it possible to select a desired tone frequency and place it on the designated device pair to help identify the pair in the field (289H only).
- **Request Realtime Readings for the device**—once PressureWEB connects to a 289H LSS office, continuous realtime readings are provided until you close the pop-up window provided (289H and uM260 monitors only).
- **Perform Pair Diagnostics for the device**—includes AC and DC voltage measurements, plus capacitance and resistance readings (289H only).
- **Get New Office Readings**—like the Device Status View reports, it is possible to force an office update from any of the Device Status View Screens and generate a new device reading.

To provide background information about the various PressureWEB reports, column headings are linked to pop-up windows which contain a definition of the column's contents. As a supplemental feature, PressureWEB also has a **Tools** selection with links to an on-line cable pressurization calculator (pneumatic resistance charts and leak locating formulas), a pressurization graphing tool (for both single fed and dual fed leaks), and an html version of System Studies' comprehensive 300-page *Cable Pressurization Theory and Practice Manual*.

Operational Requirements

PressureWEB is available for PressureMAP Versions 26 & 27 on a MAP Engine computer running the SCO UNIX 5.0.7 operating system. Please note that it does not work on earlier versions of UNIX. Beginning with PressureMAP Version 27, PressureWEB can also be used with customer-selected, MAP Engine-compatible hardware running the Linux operating system.

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PressureWEB Sample Screens

PressureWEB 3.0 from System Studies Incorporated Legend About PressureWEB

All Offices My Offices View Options System Errors Setup Tools PressureMAP 27.01.03

SC_North Offices by Number System SKIDOO (9999)

No.	Name	SQI	Remarks	# of Devices	# of Alarms (All Alarms)	# of Disabled Devices	# of TDs Not Readable	Last Connection
1	BENLOMAND	97		4	0	0	0	1 hr, 17 mins ago.
2	BOULDER CREEK	84		12	2	1	1	1 hr, 20 mins ago.
3	FELTON	81		18	3	0	1	1 hr, 17 mins ago.
4	SCOTT'S VALLEY	48	279 89 NORTH HWY 1 831438=CO 831116=WFA SCVYCA01,CL DIVERTER 8314242364	36	11	0	4	1 hr, 22 mins ago.
6	SNCZ MAIN	61		125	38	6	7	1 hr, 25 mins ago.
Totals				195	54	7	13	

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User-Defined Offices

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All Offices My Offices Actions View Options System Errors Setup Tools PressureMAP 27.01.03

Device Reading View: UP < 5.0 System SKIDOO (9999)

Device #	Access #	Address	IP	Curr	Tdy	Wk-1	Alarm	In
046	002-10	MH707 SOQUEL AV	UP	2.5	2.5	2.1	---	279
053	002-17	MH707 SO						
062	002-26	MH143 SO						
089	003-17	MH23 WAL						
096	003-24	MH23 WAL						
141	004-33	MH6911-10 PLYMOUTH HILL, OCEAN	UP	3.2	3.2	3.2	*	12 hrs, 38 mins ago.

Alarm Comment - Google Chrome
about:blank
046 UG PTD at 2.5 psi with pipe at 7.5 psi*
Reading was 4.5 psi at 03:00 on 11/03/11

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Device Reading View with Alarm Information

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Device Status by Pipe View System SKIDOO (9999)

Device #	Access #	Address	IP	Curr	Tdy	Wk-1	Alarm	In
Pipe Route 1A SQI: 0								
135	004-27	C.O. PIPE PANEL, OCEAN/HUBBARD	SF	88.8	88.8	86.4		
178	005-34	P81 EL RANCHO	EP	OPEN	OPEN	OPEN	****	Today 10 hrs, 47 mins ago.
182	006-02	MH50 CENTER @ MISSION	MF	14.4	14.5	13.8	*	Today 7 hrs, 47 mins ago.
186	006-06	MH232 OCEAN @ PLYMOUTH	MF	1.8	1.8	0.7		
202	006-22	P133 MISSION	MF	19.0	19.0	19.0	*	60
K004	008-22	P81 EL RANCHO DR	RA	OK	OK	OK		
Pipe Route 1B SQI: 81								
036	001-36	MH316 BRANCIORTE	UP	9.0	9.5	9.1		
038	002-02	MH316 BRANCIORTE	UP	6.5	6.5	6.3		
042	002-06	MH345 BRANCIORTE DR	PP	UBAL	UBAL	UBAL		
152	005-08	C.O. PIPE PANEL, OCEAN TO LEE	SF	53.0	55.1	53.6		
181	006-01	MH342 BRANCIORTE	MF	18.7	18.6	18.6	---	16
185	006-05	MH222 OCEAN	MF	17.8	17.8	18.1	---	300

Device Status by Pipe View

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Dual Feed Pressurization System

In a dual feed pressurization system, a pressurized cable section usually receives air from two air pipe manifolds. As a result, air enters the cable section from opposite directions and converges in the middle. Because the cable section is bounded by air pipe manifolds, it is considered a pneumatic section for testing purposes—as one pneumatic section. The figure below shows a dual feed pressurization system with two air pipe manifolds at either end of the pneumatic section, and a leak at the midway between manifolds.

Tool Selections

- Pressure Drop per Foot
- Required equipment
- Pressure Graphing
- Analysis
- Necessary information
- Plotting
- Required equipment
- Requirements
- Scale selection
- Taking readings
- Pressure Records
- Construction workprints
- Final stickmaps
- Stickmap description
- Pressure Relationships
- Calculated resistance
- Flow change
- Pressure drop
- Pressure System
- Leak effects
- Dual feed
- Flow bank
- Single feed
- Objectives
- PressureMAP
- Device data forms
- Device numbers
- Location codes
- PressureMAP Functions
- Analyzing 2x history report
- Device histories
- Dispatch priorities
- Office/route certification
- Specific device information
- System quality indexing
- Pressurization System Elements
- Flow

Tool Selections

PressureWEB 3.0 from System Studies Incorporated Legend About PressureWEB

All Offices My Offices Actions System Errors Setup Tools PressureMAP 27.01.03

Specific Device Information System SKIDOO (9999)

Device #: 178 Access #: 005-34 Type: EP

Address: P81 EL RANCHO Loc: 81 Pipe: 1A

TD Type: RPI/RG-PSI

Sheaths: CA3131 ENDDPIPE

Cable: 24 Prim Pair: 651 Sec Pair: Sort Key:

Plat: Stickmap:

Phone #: DED-B-005-34

Latitude: Longitude:

Office 1 Loc: Distance 1 (kft): Field 1 Loc:

Office 2 Loc: Distance 2 (kft): Field 2 Loc:

Remarks: (T-178,DED #178) F2=1524x826
EP OF AIR PIPE. GOOD LUCK! BP

Readings: Curr Last Tdy -1 -2 -3 -4 -5 -6 Wk-1 Wk-2 Wk-3 Wk-4

OPEN OPEN OPEN 9.5 OPEN 9.5 OPEN OPEN OPEN OPEN 9.5 9.5 OPEN

Detailed Device Information

Google Maps N36 58 637 W121 57 892 (Device: 009 Address: MH1081 41ST A) Search Maps

Search the map Find businesses Get directions

Search Results: My Maps

+36° 58' 41.82", -121° 57' 53.52"

Make this my default location

Device: 009 Address: MH1081 41ST AV
+36° 58' 41.82", -121° 57' 53.52"

Get directions: To here - From here
Search nearby - Save to My Maps

Device Location Via Google Map