iHydrant

by **MH** — **M&H VALVE COMPANY**

iHydrant ®

Remote pressure and temperature monitoring for M&H 129 dry barrel hydrants.

iHydrant.com

M WANE

For Generations

iHYDRANT REMOTE SENSORS FOR M&H 129 HYDRANTS

Track pressure and temperature changes and get alerts at a moment's notice via smart hydrant sensors deployed across your water system.

Knowing the exact moment your water grid experiences a hydraulic event or is threatened by rapid pressure or temperature fluctuations is now possible via iHydrant remote sensors for M&H hydrants. iHydrant operates on a secure IoT network to transmit data to the cloud, which is then accessible on your utility's hosted dashboard. iHydrant allows you to monitor precise fluctuations in your water system in real time that reveal money-saving data and help you recapture non-revenue water.

Device Features

The iHydrant unit is designed for easy installation, low maintenance and years of reliability.

Operates on an LTE cellular modem for instantaneous, long-distance data transmission.

Full-time pressure/temperature monitoring in the lower valve of your dry barrel hydrant.

Sensor picks up micro fluctuations in pressure and temp.

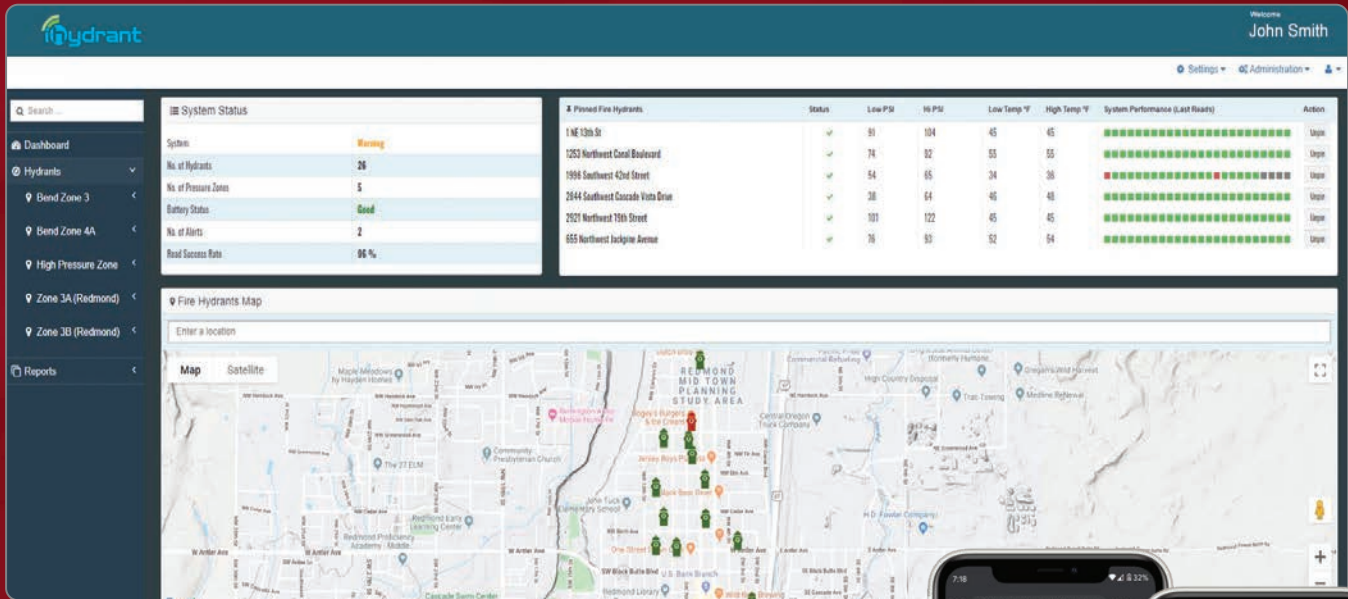*Capture data as often as 256x per second.*

Available as a complete unit or retrofit for M&H 129 hydrants.

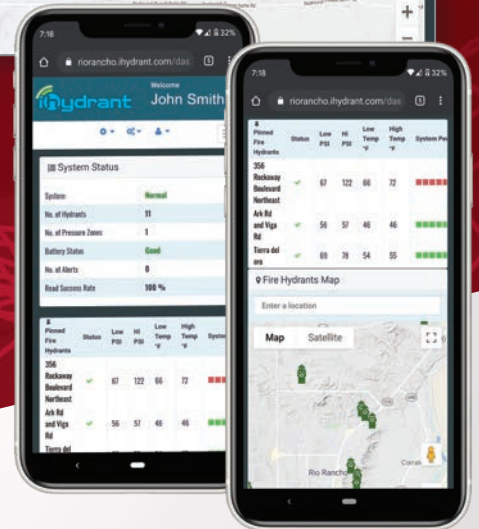Easily install the M&H 129 iHydrant in the field.

Your iHydrant Dashboard

Your dashboard is the portal to your entire iHydrant network. From here, you can see your data in real time for all devices, specific hydrant zones or one hydrant at a time.

iHydrant Dashboard Features:

- Hosted remotely for anytime access with no downtime risk.
- Accessible anywhere via desktop or mobile browser.
- Create custom logins for multiple users.
- Visual data collection for pressure and temperature, scalable down to the second.
- Export your data for additional manipulation or on-site storage.
- Set alerts for pre-defined events or to your own custom parameters.
- Battery life and reception monitoring and reporting let you know when to check a unit or replace a battery.

"iHydrant has been beneficial to the utility by identifying different hydraulic events that impact normal daily operations. This has resulted in lower response times for repairs and a reduction in lost revenue due to water losses. iHydrant has also helped us to identify hydraulic conditions that are occurring in the distribution system that we were previously unaware of."

Josh Wedding, City of Redmond Water Utilities Manager

Bringing your hydrants online with iHydrant means you get the ease and convenience of modern data-collection technology plus compatibility with the M&H 129 hydrant in your arsenal. Suitable for mounting on top of any M&H 129 dry barrel hydrant, iHydrant does not interfere with normal operation, allowing you to collect data without taking the hydrant out of operation, even in freezing conditions.

Reduce non-revenue water with up-to-the-second data from your hydrant.

iHydrant is a feature-rich monitoring tool designed to save money through grid analysis, problem prevention and rapid-response mitigation.
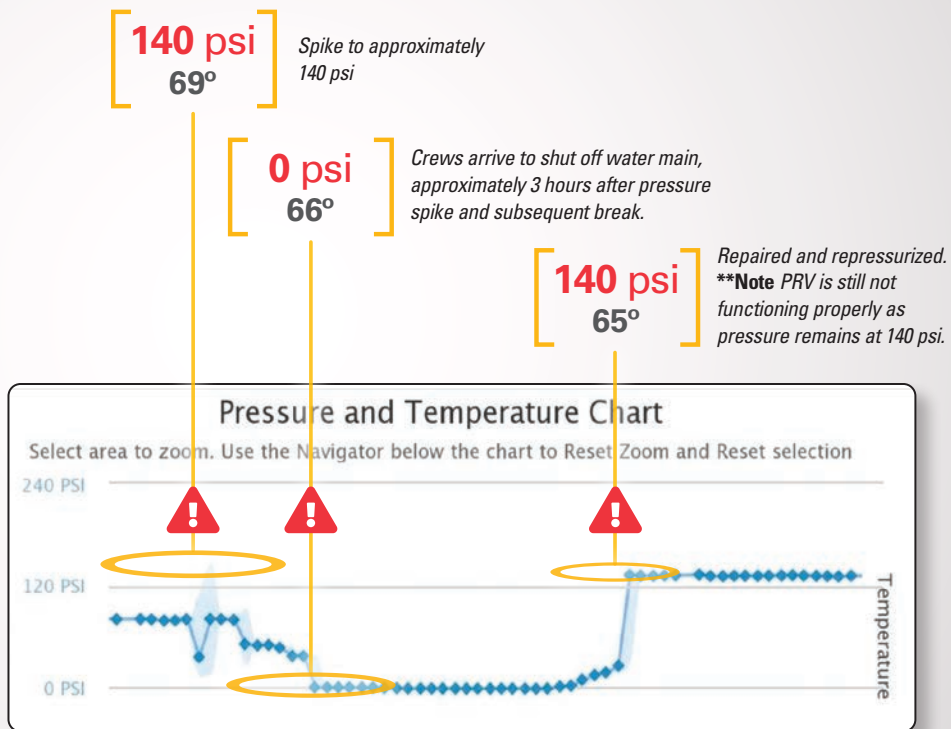
Real-time, whole-system feedback allows you to identify potential problem areas and proactively maintain the system to prevent main breaks before they occur.

Rapid alert systems provide notification in response to system changes, reducing utility response times and water losses.

Remote monitoring allows for more efficient human resource allocation and job efficiency, further reducing costs associated with the system.

140 psi
69°
Spike to approximately 140 psi

0 psi
66°
Crews arrive to shut off water main, approximately 3 hours after pressure spike and subsequent break.

140 psi
65°
Repaired and repressurized. ****Note** *PRV is still not functioning properly as pressure remains at 140 psi.*

Pressure and Temperature Chart
Select area to zoom. Use the Navigator below the chart to Reset Zoom and Reset selection

240 PSI

120 PSI

0 PSI

Temperature

With **affordable one-time installation costs** and **low annual maintenance and support fees**, iHydrant can pay for itself by preventing or alerting you in real time of water loss events. Over time, iHydrant will help reduce costs associated with water loss, becoming an integral part of your system.

Contact your M&H sales representative for more information or to schedule a product demo.

COMMITTED TO ENVIRONMENTAL RESPONSIBILITY

M&H Valve Company is committed to protecting our natural resources through environmentally responsible manufacturing practices, including the use of 80+% recycled content in our hydrants and valves.

iHydrant.com by M&H VALVE COMPANY

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