Eclipse i-Series #9750i

(aka Flushing Buddy)

NEW!

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ECLIPSE™
i series
The Intelligent Solution for Water Distribution Systems

Patent Pending

Intelligent Water Quality Device

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9750-i
Patent Pending

Portable Intelligent Monitoring Device for Unidirectional and Water Quality Hydrant Flushing
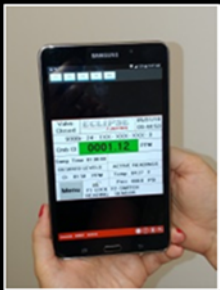
ECLIPSE *i series*

Features

- Connects directly to a fire hydrant (2½" NST - optional hose attachment also available)
- Programmable Logic Controller (PLC)
    - SCADA compatible via Modbus, Modbus IP, DF1, Profibus, CANopen, or custom serial / Ethernet protocols
- Two micro-SD cards and standard SD adapters
- Amperometric Chlorine Sensor (no reagents required), pressure sensor and temperature sensor
- Scalable to house up to 7 additional sensors (not including pressure)
- Weatherproof polypropylene hard shell case
- 24-volt lithium ion battery with charger
- Audio/Visual Alarms

What Does It Do?

- Monitors chlorine, turbidity and other aspects of water quality (depending on installed sensors) while flushing fire hydrants for unidirectional and/or water quality
- Alerts operators with visual light and auditory sound when programmed residual and/or NTUs have been achieved
- Records flushing location and creates log file for each site that can be downloaded into a GIS program or into pre-formatted Excel worksheets provided
- Flushes exact amount of water needed for ultimate time and water conservation
- Records and captures all data related to residual levels, pressure and flush times which when coupled with head-loss hydrant data can provide accurate flow rates
- Free, combined and total chlorine Amperometric sensors available
- Operates on 24 VDC power

Touch-Screen PLC with App*

Features
- Human Machine Interface (HMI)
- Monitor water quality live on the free downloadable app for smartphones and tablets
- Remotely operate and monitor station by phone or tablet

*Requires RV50 Wireless Gateway Package

Additional Available Sensors
- Free, Combined or Total Chlorine
- Turbidity
- pH
- Conductivity
- Pressure
- ORP
- Fluoride
- Dissolved O$_2$
- Etc.

ECLIPSE *i series*

The Eclipse i-Series #9750i automatically captures and records all water quality data. Data can be easily retrieved and imported into pre-formatted Excel worksheets or downloaded into a GIS program

Analysis Table
Reports display all water quality activity for each installed sensor in both table and graphic formats.

ECLIPSE
i series

#9750i

Flushing Buddy with optional hydrant hose attachment

Flushing Buddy attached
directly to hydrant

Monitors water quality while flushing and alerts operators
with audio-visual alarm when goals have been achieved

Easy to program
and operate

KUPFERLE
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2511 North 9th Street
St. Louis, MO 63102
800-231-3990
www.hydrants.com
info@hydrants.com