

## KEY BENEFITS

Seamless integration to Esri GeoDatabase for quick map updates. Instantly updates your maps upon installation

Bridge the gap from installation to mapping

Simple, intuitive, and easy-to-use handheld solution for field workers

Works with choice of Trimble handheld devices

Integrates GPS and 2D barcode scanning, digital photos, digital sketches, and electronic signatures

Standardizes field hydrant data collection and management

Improves field worker productivity and reduces costs

Eliminates data entry problems

Captures precision GPS location of hydrant and valve installation location

Attribute and location information can be available to organization once synchronized

## KEY FEATURES

Handheld AFC hydrant and valve maintenance and inspection solution for Trimble handheld devices

Office software component for centralized configuration, device management, and administration

Interoperability with back-office Esri GIS and ODBC compliant databases

Simple user interface that is easy to introduce to non-technical field workers

Configurable forms for simple, efficient, and accurate field data collection

Map view of data allows for easy identification of work assignments and status

Integration of Hydrant and Valve GPS location information with field inspections

Seamless digital photo capture and association with inspection tasks

2D external Bluetooth® barcode scanner support

Map, Photo and Form Redlining on Trimble handheld devices

Electronic signature capture

## HANDHELD SOLUTION FOR HYDRANT INSTALLATION, MAINTENANCE AND INSPECTION

Trimble® Hydrant and Valve Inspector solution for American Flow Control (AFC) allows water utilities to scan a barcode affixed to all new AFC hydrants and valves, including the Waterous and American Darling, recording the exact specification of the hydrant or valve while capturing its precise GPS location at the time of installation in the field. Wirelessly in the field or when you return to the office, all information is seamlessly transferred to the water utility's Esri Geodatabase, providing instant update of the water systems maps.



Utilities now have a tool in the field to find hydrants and valves paved over or hidden by grass or landscaping. Trimble's Hydrant and Valve Inspector instantly tells field workers the type of hydrant or valve in the ground, the manufacturer, and the year made and much more that simply can't be known at ground level. When operating the device in the field during routine maintenance or an emergency, the field worker will now be aware the opening direction and the number of turns to open, helping to prevent damage from excessive torque. If the hydrant or valve needs repair, you can plan accordingly with spare parts.

### Powered by Trimble Technology

Hydrant and Valve Inspector for AFC has been configured using Trimble's off-the-shelf tools and technology. Powered by the Trimble Field Inspector solution platform, Hydrant and Valve Inspector for AFC can be configured to manage maintenance and inspections to optimize utility operations.

The software runs on a range of Trimble mobile devices and integrates with existing utility back office systems, enabling seamless flow of data between field and office. As a combined solution, Hydrant and Valve Inspector leverages configurable workflow designs and automates field data collection with GPS, barcode scanning, digital image capture, map and photo redlining, and electronic signature capture to provide a complete solution for hydrant installation, operations, and maintenance.

### Optimizing Hydrant and Valve Asset Management

Through automated workflows and smart data collection forms, Hydrant and Valve Inspector allow water companies to efficiently manage hydrant and valve installation and maintenance assignments through easy to use tools for completing task-based checklists, accurately recording field activities, collecting GPS position information, barcode data, digital pictures, redlines, and electronic signatures associated with field work all while having map information from your GIS at your fingertips.

With standardized field data management, the Trimble Hydrant and Valve Inspector Solution for AFC helps optimize hydrant maintenance operations, reduce costs, and improve worker productivity.

### Trimble Hydrant Inspector software for handhelds



Scanner

### Trimble Hydrant Inspector desktop software



# Trimble Hydrant and Valve Inspector Solution for AFC

## Scalable Solution for Utility Field Operations

Along with automating hydrant and valve maintenance, the platform provides a solution for a wide range of field applications across the utility, from smart meter deployments to routine asset maintenance inspections.

By connecting Hydrant Inspector and Valve Desktop to an existing Esri® ArcGIS® or ODBC compliant computerized maintenance management system (CMMS) or enterprise resource planning (ERP) database, hydrant and valve maintenance tasks can be defined, grouped together as jobs, scheduled, assigned, and automatically transferred to Trimble handheld devices. Field workers can then perform hydrant maintenance tasks using predefined workflows and intuitive smart data entry forms. Data captured in the field is then downloaded to the GIS, ERP, CMMS or corporate database to update and track hydrant and valve maintenance work status and history.

## Total Handheld Solution for Improved Field Operations

By putting hydrant and valve maintenance inspection technology directly in the hands of the mobile workforce, Trimble Hydrant and Valve Inspector for AFC allows field crews to complete their work faster and more accurately. Together with a utility's existing GIS and asset database, and Trimble's field-proven handhelds, the Trimble Hydrant and Valve Inspector solution for AFC provides a total solution to improve hydrant field operations and maintenance programs, enhance system reliability, reduce costs, and improve worker safety and productivity.

## Product Specifications

The following are Trimble Hydrant Inspector Solution for AFC products and requirements:

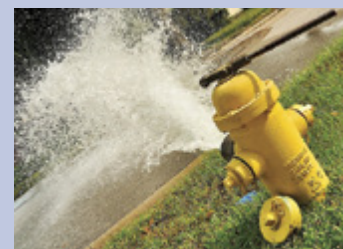
- **Handheld Software: Trimble Hydrant Inspector software for handhelds (Part # TUF5-SWTHI-01):**
  - Windows Mobile® 6 operating system (or later)
  - Supported field computers with integrated GPS:  
Trimble Nomad® G series, Trimble Juno® series, and Trimble GeoExplorer® 2008, 3000, and 6000 series handhelds with latest GPS firmware
- **Desktop Software: Trimble Hydrant Inspector Desktop software (Part # TUF5-BSWTHID-01):**

The following are components of the Trimble Hydrant Inspector solution for AFC, and their associated requirements:

  - **Desktop software:** Windows® XP (with SP3), Windows Vista® (with SP1), or Windows 7 operating system
  - **Desktop database:** Microsoft® SQL Server® 2005 or 2008 any edition (recommended), Oracle 10g or 11g
  - **Desktop communications server:** Windows Server® 2003 or 2008, including related Internet Information Services (IIS) components
- **2D Barcode Scanner (Part # TUF5-DS3578-SR20005WR):**

The following are included components of the external barcode scanner:

  - Motorola DS3578 Rugged Cordless Imager scanner
  - Motorola DS3578 cradle
  - Motorola DS3578 Power supply for cradle



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