

IntelliSense

Vision Series

By Converting an analog sensor input to a digital signal, the IntelliSense provides auto sensor recognition that eliminates drifting potential and allows travel of up to 1,000 feet (multipurpose IntelliSense has a max of 15'). Each of the 5 available sensory heads are color coded and measure a multitude of variables.

Conductivity - A conductivity sensor, for use in cooling tower and boiler applications, solids control and ensuring maximum water-saving cycles, is indicated by a light gray color.

Toroidal - A toroidal conductivity sensor is indicated by a dark gray color. Toroidal provides a broad, accurate measurement, and is used in tough process applications where dirt and scale can be a problem, like metal finishing and wastewater.

pH - Blue indicates a pH sensor which is used to adjust acid or caustic feed in cooling tower, boiler, swimming pool and wastewater applications.

ORP - Indicated by red, an ORP sensor is used for monitoring oxidizers such as chlorine, bromine and hydrogen peroxide for multiple applications.

Multipurpose (MPIO) - Orange indicates a 4-20 ma input and output, dry contact and/or hall effect, or an ion specific sensor. This can be used for water meter initiated feed, proportional dosing and/or monitoring and control of chlorine dioxide, chlorine, bromine or ozone.

Features:

- USB or RS-422 connection
- An infrared port allows calibration data to be transmitted to the IntelliSense from the IntelliScan
- The service light indicates scheduled calibration, cleaning or probe replacement
- The power light indicates the IntelliSense is connected to the process control instrument
- The alarm light provides indication of IntelliSense malfunction
- The NEMA 4X/IP56 enclosure makes this unit suitable for use in rugged environments
- The din connector and twist lock allows for quick and easy assembly of the probe to the IntelliSense



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IntelliSense Specifications

Enclosure	Nema 4X Impact Resistant ABS
Power Requirements	via USB or RS-422 cable MPIO ² is USB only
Power Indicator	Standard
Alarm Indicator	Standard
Scheduled Service Indicator	Standard
USB / RS-422 Inputs/Outputs	One
Conductivity Scale	0 - 20,000 μ S/cm
Toroidal Conductivity Scale	500 - 200,000 μ S/cm
pH Scale	0 - 14 pH
ORP Scale	+/- 2,000 mV
ClO ₂ Scale ¹	Up to 2.0 mg/L
Analog Inputs	One (MPIO ² only)
Analog Outputs	One (MPIO ² only)
Contact Inputs	One (MPIO ² only)
Contact Outputs	One (MPIO ² only)
Accuracy - At point of measure excluding probe	+/- 1% of full scale
Environment	0 to 122° F -17.8 - 50° C 100% Humidity
Dimensions	4.5 x 8 x 2.25 in 11.43 x 20.32 x 5.72 cm
Shipping Weight	approx. .58 lbs (.26 kg)

1 Ion specific sensors require the use of an MPIO and count as a multipurpose and general sensor IntelliSense input.

2 MPIO refers to the multipurpose IntelliSense.

Other Vision Series Products

Vision Series Model LV - A dual system process control instrument, designed to handle many types of applications. It is completely modular and comes standard with popular features, many of which are automatically activated.

As standard, the LV comes with three IntelliSense connections (allowing for the use of three general sensor inputs, two general sensor inputs and one multipurpose input/output or one general sensor input and two multipurpose inputs/outputs), five selectable relays, six taggable timers, two flow switch inputs and two inputs suitable for use with dry contact or hall effect water meters.

The LV's capability can be maximized to allow it to handle up to two multipurpose IntelliSense inputs/outputs and any combination of up to four conductivity, toroidal, pH or ORP (general sensors) IntelliSense inputs through the use of a USB expansion hub and up to nine selectable relays through the use of a relay expansion box.

Vision Series Model UV - A single system process control instrument, designed to handle many types of applications. It comes standard with popular features, many of which are automatically activated.

As standard, the UV comes with two IntelliSense connections allowing for the use of one multipurpose IntelliSense input/output and one general sensor IntelliSense input (conductivity, toroidal, pH or ORP), five selectable relays, three taggable timers, one flow switch input and one input suitable for use with dry contact or hall effect water meters.

Relay Expansion Box - Used to add four additional relays to a Vision Series Model LV. A maximum of one relay expansion box can be used with the Model LV and will require the use of one USB input.

USB Expansion Hub - For use with the Vision Series Model LV to maximize the number of USB inputs/outputs. The USB expansion hub is required if more than three USB inputs/outputs are to be used with a LiquiVision. A maximum on one USB expansion hub can be used with the Model LV.

IntelliScan - A handheld device that revolutionizes the calibration process by eliminating the need for manual data entry. It has an infrared port that allows calibration data to be transmitted to the IntelliSense from the IntelliScan. The IntelliScan comes with its own convenient carrying case and belt-clip attachment.

IntelliCom - The IntelliCom communications platform is an easy-to-use communications package that provides the ability to conveniently manage customer accounts and Vision Series controllers out of one application. IntelliCom supports Ethernet, modem or direct connect communications and allows for e-mail notification of alarms with Ethernet or modem (IntelliCom Alert service option required) communications.

With advanced features such as multi-parameter graphing with event logging, real time monitoring of system parameters, remote relay control, system configuration reports, and multi-level prioritization of e-mail alarm notifications, IntelliCom is the solution for effective process control management.



An ISO Certified Company



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