

# IntelliScan

The IntelliScan is a handheld device that revolutionises sensor calibration processes by eliminating the need for manual data entry into associated controllers.

Thus in use, sensor calibration can be conveniently undertaken in any environment using the handheld IntelliScan.

Once calibration is complete, the data is simply transmitted, via an infrared port, direct to the relevant IntelliSense unit which will be in turn connected to a UniVision or LiquiVision controller.

The complete UniVision or LiquiVision control system can therefore be maintained at peak operating efficiency with maximum efficiency

The unit has a simple user interface design, features many impressive capabilities and is supplied with a convenient carrying case and belt-clip attachment.

## Features

- A durable and water resistant housing.
- Three probe options available:  
Conductivity pH & Redox
- Unit is supplied with One Conductivity and One combination pH & Redox probe
- Power Button - the unit is powered by four AA batteries and has an auto shut-off feature
- Soft keys allow for easy programming and flexibility
- Large 128 x 64 pixel, easy to read, back lit LCD display
- An infrared port allows calibration data to be transmitted to the IntelliSense from the IntelliScan

# Vision Series



# IntelliScan Specifications

Enclosure	Impact resistant ABS plastic with IP56 protection
Power requirements	Four AA batteries
Display	128 x 65 Dot Pixels Back Lit
Conductivity Scale	0 – 20000 $\mu$ S/cm
pH Scale	0 – 14
Redox Scale	$\pm$ 2000mV
Accuracy – at point of measurement, excluding probe	$\pm$ 1% of full scale
Environment	-17.8 – 50°C 100% Humidity
Dimensions (mm)	10.16 x 19.05 x 5.08
Shipping Weight (kg)	.37

## Other Vision Series Products



**UniVision** - A single system process control instrument, designed to handle virtually all common cooling, boiler and process water treatment applications. Available in only one model, it is supplied in a standard format with popular features, many of which are automatically activated.

As standard, it is supplied with two IntelliSense connections allowing for the use of one multipurpose IntelliSense input/output and one general sensor IntelliSense (conductivity, toroidal, pH, or Redox), four selectable relays, one alarm relay, three taggable timers, one flow switch input and one input suitable for use with dry contact or hall effect water meters.



**LiquiVision** - A dual system process control instrument, designed to handle many types of applications. Available in only one model, it is completely modular and comes standard with popular features, many of which are automatically activated.

The LiquiVision controller is supplied in a standard format with popular features 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), four selectable relays, one alarm relay, six taggable timers, two flow switch inputs and two inputs suitable for use with dry contact or hall effect water meters.

The capability of the LiquiVision controller can be maximised 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 eight selectable relays through the use of a relay expansion box.



**IntelliSense** - IntelliSense is a new concept in the measurement of specific parameters in process applications.

By converting an analogue sensor input to a digital signal, the IntelliSense provides auto sensor recognition that eliminates drifting potential and allows travel of up to 300 metres. Each of the five available sensory heads is colour coded and measures a multitude of variables.

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

**USB Expansion Hub** - For use with the LiquiVision controller only to maximise 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 of one USB expansion hub can be used with the LiquiVision.

The USB expansion hub cannot be used with the UniVision Controller.

For full technical details of the family of components described, refer to the relevant data sheet specific to that product.

See separate Application Sheet for details regarding the selection and installation of the UniVision product range.