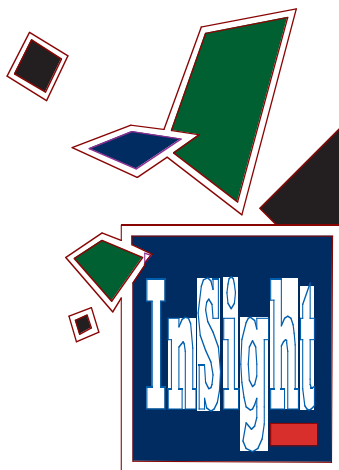


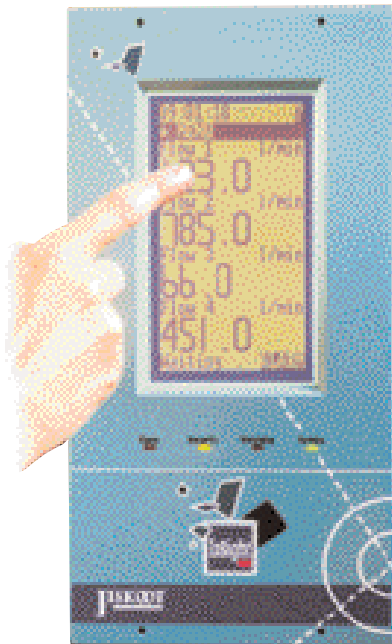


# InSight Controller

Putting the  
vision back  
into process  
control.



# Intuitive process control...



## ...at a touch

Accurate, modular and intuitive to use, the InSight range of controllers from Jiskoot solve the problem of process visibility in a control environment. The ability to display data in a flexible yet easily manageable form has arrived. Built around a VME bus and using the industry standard OS-9 operating system, the InSight range offers high speed, real time distributed processing capability, suitable for fiscal measurement and general control applications.



## Simplicity

The InSight range of controllers has been designed with one objective in mind - user friendliness. Resorting to handbooks for configuration is no longer necessary. The InSight range uses Windows style drop down menus and context sensitive help to guide you through this process. Convenient panel mounting is achieved using fast release clips and panel wiring is via easy release cage clamp connectors allowing an instrument to be changed in minutes.



## Intuitive Process Control

InSight controllers benefit from a large touch screen which offers a flexible and genuinely easy to use interface. The large chemically resistant LCD screen and graphical interface provides clear and uncluttered process information. With "point & touch" operation, controllers can be competently operated in minutes rather than hours or days. The InSight range provides information and control in any operating environment.



## Expandability and Power

Because the process environment is constantly evolving, Jiskoot have responded to the need for an expandable and future proof controller. Software on the InSight can be upgraded from a PC via a direct link eliminating time consuming and costly EPROM changes. The processor can be updated with a standard VME card and the InSight can be expanded with up to ten I/O cards offering control for 40 process streams!



## Integration

Extremely powerful as stand alone controllers, the InSight range can also form part of an integrated distributed control system (DCS). Using major communications protocols they can be multi-dropped as slave PLC's offering an excellent solution for many control applications. It can also control other slave devices when acting as a master. The InSight features multi-level security and can be operated as a stand alone process controller or under remote control.



### Total Vision

Access to real time information is the key to process control and the InSight range uses the whole LCD display for operating data. Moving away from small multi-function buttons, the InSight displays “virtual” buttons as they are needed. The range features configurable reports which can be printed or stored for later analysis. Featuring audible alarms which can be

assigned to process events, the InSight incorporates the best of today’s technology to offer process vision for tomorrow.

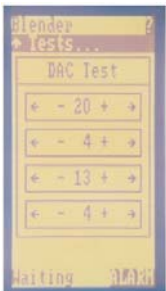
### Features

- Simple to operate, configure & maintain
- Flash ROM for instant upgrades
- User friendly touch screen interface
- Programmable event sounds
- Industry standard embedded real time operating system
- Card construction allowing easy upgrades
- Context sensitive help
- Only four easily changed components
- Quick release panel mounts and wiring connections
- Bi-directional event inputs & outputs
- Multi level password access



### Total Control

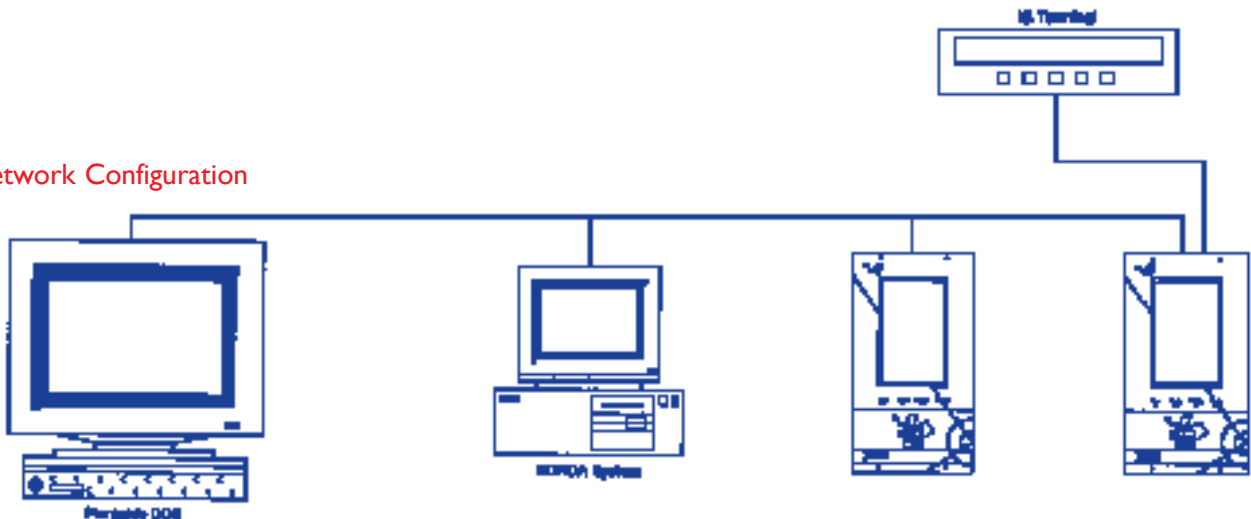
Process control is the object of this range. By incorporating flexibility, power and expandability with a world beating interface, the InSight provides total process control for applications such as sampling, additive injection and blending.



### Total Support

Containing only four major components which can be replaced in minutes, the InSight provides the guarantee of minimum downtime and maximum performance. With over 35 years of control instrumentation experience, Jiskoot provide a long term support guarantee for all their instruments. A global network of agents, assures you of our total support commitment.

### Network Configuration



### Instrument specification

<b>Touch screen</b>	<i>Viewing Area</i>	126x70mm approx. (H x W)
<b>No of I/O cards</b>	<i>Standard</i>	1
	<i>Max</i>	2
<b>Power supply</b>	<i>Voltage</i>	100 – 240 VAC
	<i>Frequency</i>	50 / 60 Hz <sup>1</sup>
	<i>Consumption</i>	40 Watts typical
<b>Environment</b>	<i>Temperature</i>	5 – 40°C
	<i>Humidity</i>	5 – 90 RH
<b>Dimensions</b>	<i>Instrument</i>	146 x 286 x 355mm (W x H x D over connectors)
<b>Standards</b>	<i>Manufacture</i>	Manufactured in accordance with ISO9001

### I/O card specification (per I/O card)

<b>Analogue inputs</b>	<i>Quantity</i>	8
	<i>Accuracy</i>	5µA
	<i>Input</i>	4 – 20 mA
<b>Pulse input</b>	<i>Quantity</i>	4
	<i>Input Type</i>	Differential current or voltage pulse
	<i>Input</i>	0 – 24V DC or 4 – 20 mA
	<i>Frequency range</i>	0 – 10kHz
<b>Analogue outputs</b>	<i>Quantity</i>	4
	<i>Output</i>	4 – 20mA
	<i>Accuracy</i>	5µA
<b>Digital I/O</b>	<i>Quantity</i>	16
	<i>Type</i>	Bi-directional
<b>Serial ports</b>	<i>Quantity</i>	2
	<i>Physical layer</i>	RS232 / RS422 / RS485
	<i>Protocol</i>	Allen-Bradley & Modicon Modbus (concurrently)*
	<i>Baud Rate</i>	38400 Max

\* Modbus over Ethernet TCP available with a serial to Ethernet converter.