

SmartControl Touch

Advanced Hyperion Control System
for Smart Manufacturing



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Achieve More with SmartControl Touch

SmartControl Touch harnesses the power of Industry 4.0 within busy industrial environments.

The SmartControl allows advanced monitoring, control and easy adjustments to operating parameters, ensuring that connected static control equipment and in turn, production lines are consistently running at optimum performance.



SmartControl Touch:

SmartControl Touch allows the user to monitor, control and adjust the performance of multiple connected compatible Hyperion ionising bars and sensors via the integrated touch-screen or remotely via a mobile phone, tablet, or remote desktop.

This means that at all times, the performance of the connect equipment may be monitored and optimised to achieve the best results, according to the application.

The ionising equipment's performance is easily tracked by the SmartControl Touch, which uses Meech's Ion Current Monitoring Technology allowing the user to monitor the ionising performance.

With the ability to connect 6 bars directly and an additional 24 bars using two expansion units (sold separately), SmartControl delivers exceptional central control.

How SmartControl Works:

- 1** Compatible Meech Hyperion ionising bars and sensors are connected directly to the SmartControl Touch unit using the standard 4 Pole M8 connector. The SmartControl Touch unit also powers the connected device.
- 2** Operating performance and status information is displayed on the touchscreen or displayed remotely via the LAN Ethernet connection on a selected local display unit, such as a mobile phone, tablet, touch screen or monitor.
- 3** The operator can access the performance and status information and amend the operating parameters to achieve maximum productivity and quality output.
- 4** Data is logged by the SmartControl Touch of all parameters of connected devices. Data logs can be viewed on the touch-screen or remotely. Data log can also be downloaded as a Comma-Separated Values format (csv) format for additional analysis.

Putting You In Control

SmartControl offers a variety of important features and benefits to improve control over your equipment to achieve the best results for your application:

Designed for Industry:

Touch-screen with User Friendly Interface



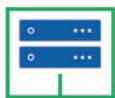
- Incorporated touchscreen which is clear and easy to use
- Requires minimal training

Monitoring and Control



- Make quick and easy changes to connected devices
- Increased productivity and quality control on production lines through fast, accessible monitoring
- Remote monitoring and control via LAN Ethernet connection – allowing increased flexibility to monitor and control the system

PLC Industrial Network Integration (optional)



- Protocols including Profinet, EtherNet/IP, Profibus DPV1, Modbus-TCP, EtherCAT
- Plug-and-Play- for fast and easy installation

Connections



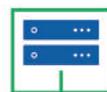
- Only one SmartControl Touch is needed for the central control of six devices
- In total up to thirty Hyperion devices can be connected via expansion units.

Sensor and Voltage Compatibility



- The SmartControl Touch will be voltage and distance sensor compatible- For more accurate neutralisation of all charges on the material.

Two Configurations



- Two configurations are available: the SmartControl Touch with LAN or SmartControl Touch with industrial network connectivity (Meech2PLC).

Data Logging



- Data monitored by SmartControl Touch can be viewed on screen in graphical format or exported in CSV format for additional analysis.

Alarm Output



- Contact free alarm output to signal alarm status e.g. for use with alarm sounder, beacon or for connection to PLC.

Compatible Products

The SmartControl is compatible with a range of our most popular industrial products, with more to be added in the future.

Below is a list of the current products which can be used with the SmartControl:



Model Number	Benefits
924IPSV2	Powered by 24V DC the Hyperion 924IPSV2 is the most compact pulsed DC bar available on the market. The bar can be optimised for specific applications, including very sensitive applications such as RFID.
929IPS *	Compact Mid-Range pulsed DC ionising bar with Integrated Power Supply (IPS). Powered by 24VDC.
960IPS	Compact mid-range pulsed DC ionising bar with Integrated Power Supply (IPS). Powered by 24VDC, the 960IPS delivers powerful ionisation for close to midrange applications. The 960IPS is the latest development, replacing the 929IPS and 971IPS-15kV.
971IPS-15 *	Powered by a +/- 15kV 24V DC Integrated Power Supply (IPS), the 971IPS-15 provides excellent long range ionisation. Designed to be easily installed, the 971IPS-15 eliminates the need for high voltage cabling.
971IPS-30	Long-Range Pulsed DC Ionising Bar powered by a +/- 30kV 24V DC Integrated Power Supply (IPS), making it the most powerful ionising bar in the Meech range. The 971IPS-30 suits long-range applications with operating distance 450mm-1500mm.
959IPS	Versatile ionising air curtain providing is an extremely versatile product that provides effective static neutralisation and dust removal for a wide range of industrial applications. The unit comprises a Hyperion 924IPS mounted on a Meech energy saving air curtain. Combined for a they provide a high speed laminar sheet of ionised air.

All equipment requires the latest software to be compatible with Smartcontrol Touch. All software from SmartControl release will be supplied with this software update and will therefore be SmartControl Ready.

*To be replaced by Hyperion 960IPS Mid-Range ionising bar in 2021

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