

## Series C GI/IS Solution Provides Additional Flexibility



Providing control in hazardous environments is key to a successful control system solution. To support this critical need, Honeywell and the MTL Instruments Group (MTL) have partnered to provide a superior [Series C GI/IS \(Galvanic Isolation / Intrinsic Safety\) solution](#)

Recently introduced MTL4500 series intrinsic safety isolator modules from MTL have been combined with

since the Series C I/O modules are the same, there are no additional training responsibilities.

Intrinsic Safety isolators are powered from the Series C Power System. This eliminates the need and cost of providing and wiring a separate power system for the Intrinsic Safety isolators. And since the Series C Power System is used, reliable, robust, optionally redundant and optionally battery backed power is delivered to the process system.



MTL's new 4500 series of GI/IS isolator uses the latest in hazardous area technology to provide a lower power solution in a backwards compatible package. By reducing the overall power, more channels can be included in the same device while reducing the overall power budget. Other technology improvements include the use of "3 Port" isolation. "3 Port" isolation ensures that the input / output / and power sources are mutually isolated from each other.



Honeywell's industry acclaimed Series C control system to provide a best in class solution for hazardous area control.

I/O Termination Assemblies (IOTAs) combine Series C I/O modules with MTL's GI/IS Isolators. Multiple density options are provided to support a myriad of project applications. Density options provide a range of high integrity; compact and highly competitive GI/IS solutions.

Using the MTL 4500 series isolator provides a higher availability by allowing the replacement of one isolator without affecting process operations of the remaining isolators. This provides higher overall 'up time' and reduces upset conditions.

The integrated Series C Intrinsic Safety solution is constructed to provide the maximum function in the minimum space. By using an integrated IOTA, overall space is reduced while increasing availability as compared to separate, craft wired solutions.

Various Intrinsic Safety Isolator options are available to provide lower cost or higher availability solutions.

Standard Series C I/O modules are used in the GI/IS solution. This significantly reduces the number of spares required for a complete process solution. Additionally,

**More Information**

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