

Mitsubishi Electric Product launch

## **New compact HMI with advanced functionality**

Ratingen, Germany, 19<sup>th</sup> August 2015

**Mitsubishi Electric has added a new, compact, colour HMI to its GOT2000 range, bringing superior visualisation and enhanced functionality to a wide range of applications. The GT2104 offers a 4.3 inch, high resolution TFT display, with a widescreen format and the ability to display over 65,000 colours, bringing new levels of realism to screen elements for enhanced usability.**

At the same time, while offering a cost-effective entry level HMI option, the GT2104 also offers users functions previously only found in higher end products, such as data logging, multi-channel operation, operator authentication, backup/restore functionality and Mitsubishi Electric's 'FA transparent' function to simplify PC access to connected automation components.

The GT2104 has been designed to provide an affordable alternative where users might previously have only been able to justify use of a monochrome HMI. The highly compact body makes the HMI suitable for use even in space-limited applications, while the 480x272 pixel, 4.3 inch high resolution display means there is no compromise in usability or readability.

The high resolution backlit display ensures superior clarity in the display of screen elements such as graphs, meters and switches, with the 65,536 colours allowing these elements to be given a much more lifelike and

realistic appearance, all of which aids usability. For added flexibility, the GT2104 can be used in a vertical orientation in addition to the more standard horizontal, enabling it be used in applications with only a very narrow mounting space.

### **Extensive connectivity options**

The GT2104 builds in a host of connectivity options as standard, including Ethernet, USB and serial (RS422/485 and RS232), as well as an SD card interface. Within each of these options, Mitsubishi Electric offers a number of unique functions that further separate the GT2104 from comparable HMIs in the market.

Mitsubishi Electric's FA transparent function enables users to connect a PC to the GT2104 and link through it transparently to connected automation equipment, simplifying setup, programming, monitoring, modification and testing of those components, which might be mounted deep within a panel or machine.

The GT2104 also offers a multi-channel function, which allows a single GOT HMI to be simultaneously connected to and control two channels of FA devices over Ethernet or serial communications. Furthermore, the data logging functionality enables users to uniformly manage data from a number of FA devices connected to the GT2104 for later analysis.

With the backup/restore function, parameters and programs of connected equipment such as PLCs and inverters can all be stored on the SD card. Then, if a problem arises on a piece of equipment or a new component needs to be installed, the program or parameters can be quickly restored without the need to connect a PC, minimising downtime.

Recognising the importance of security and to help eliminate unintended operator errors, the GT2104 offers operator authentication, where

different levels of operator access and display can be defined by passwords.

With its advanced functionality, enhanced visualisation, flexible mounting and environmental protection up to IP67F, the GT2104 provides an attractive entry-level HMI option in a host of factory automation applications. But it also brings benefits to users in a wide range of other industries, with applications including control of air conditioning systems or lighting in buildings, payment machines in car parks, ordering and reservation systems in restaurants, for user interfaces in medical care systems, and as a control panel in solar power plants.

**Picture caption:**



**Picture 1:** The new compact GT2104 offers a 4.3 inch, high resolution TFT display with the ability to display over 65,000 colours, while providing a advanced functionality for a host of industries.

[Source: Mitsubishi Electric Europe B.V.]

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**Note to Editor:** if you would like the text in another language please contact Philip Howe at DMA Europa – [philip@dmaeuropa.com](mailto:philip@dmaeuropa.com).

## **About Mitsubishi Electric**

With over 90 years of experience in providing reliable, high-quality products to both corporate clients and general consumers all over the world, Mitsubishi Electric Corporation is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, as well as in products for the energy sector, water and waste water, transportation and building equipment.

With around 124.000 employees the company recorded consolidated group sales of 39,3 billion US Dollar\* in the fiscal year ended March 31, 2014.

Our sales offices, research & development centres and manufacturing plants are located in over 30 countries.

Mitsubishi Electric Europe B.V., Factory Automation European Business Group (FA-EBG) has its European headquarters in Ratingen near Dusseldorf, Germany. It is a part of Mitsubishi Electric Europe B.V., a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of FA-EBG is to manage sales, service and support across its network of local branches and distributors throughout the EMEA region.

*\*Exchange rate 103 Yen = 1 US Dollar, Stand 31.3.2014 (Source: Tokyo Foreign Exchange Market)*

## **Further Information:**

Website: [eu3a.mitsubishielectric.com/fa](http://eu3a.mitsubishielectric.com/fa)

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Twitter: <https://twitter.com/MitsubishiFAEU>

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