

Press release

KYOCERA introduces small-format LCDs with increased temperature range for industrial applications

Two robust TFT modules now round out the range of the Kyocera Display Group

March 24, 2015, Kyoto/Neuss – The Japanese technology corporation Kyocera, a leading manufacturer in the field of electronic devices, has expanded its range of LCDs by adding two small-format TFT modules with diagonals measuring 4.2" and 5". Both modules are designed for use in harsh environments, such as outdoor remote controls, construction equipment, and anything that requires a wide operating temperature range.

The new 4.2-inch TFT LCD module (T-57152GD042H-LW-AAN) features a resolution of 480x272 pixels, brightness of 700 cd/m², a digital 18-bit RGB interface, a contrast ratio of 1200:1, and horizontal and vertical viewing angles of 160 degrees each. The design is based on automotive requirements and boasts an expanded operating temperature range of -30°C to +85°C and a storage temperature range of -40°C to 95°C. In addition, the anti-glare surface treatment improves readability in bright surroundings.

The new 5.0-inch TFT module (T-55923GD050J-LW-ABN) is a portrait-mode display that features a resolution of 480x640 pixels. Optical characteristics include 800 cd/m² brightness and a 500:1 contrast ratio. The viewing angle amounts to 140 degrees horizontally and 110 degrees vertically. This module comes with a 24-bit digital RGB interface and has a wide operating temperature range of -30°C to +80°C.

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“Portable outdoor devices are liable to fall down and are exposed to low temperatures, heat and humidity. Even in these conditions, they should always work reliably, and our components are designed for that purpose,” says Eberhard Schill, Manager Distribution and Marketing at Kyocera Display Europe GmbH.

The Kyocera Group is actively engaged in the development of environmentally friendly products and continually strives to reduce the use of environmentally degrading materials and processes in industry. As a matter of course, the company’s products comply with the EU’s RoHS (Restriction of Hazardous Substances) directive.

Technical specifications:

Model name	T-57152GD042H-LW-AAN
Dot format (dot)	480 x 272
Overall dimensions (mm)	102.5 x 67.0 x 8.5
Brightness (cd/m ²)	700
Storage temperature	-40°C to 85°C

Model name	T-55923GD050J-LW-ABN
Dot format (dot)	480 x 640
Overall dimensions (mm)	98.0 x 119.0 x 10.5
Brightness (cd/m ²)	800
Operating temperature	-30°C to 80°C

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For more information about Kyocera:

www.kyocera.eu

About Kyocera

Headquartered in Kyoto, Japan, Kyocera Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry. The strategically important divisions in the Kyocera Group, which is comprised of 230 subsidiaries (as of April 1, 2014), are information and communications technologies, products that increase quality of life, and environmentally friendly products. The technology group is also one of the largest producers of solar energy systems worldwide, with more than 5 gigawatts of total solar power capacity having been installed around the world to date.

The company is ranked #531 on *Forbes* magazine's 2014 "Global 2000" listing of the world's largest publicly traded companies.

With a global workforce of about 70,000 employees, Kyocera posted net sales of approximately €10.19 billion in fiscal year 2013/2014. The products marketed by the company in Europe include laser printers, digital copying systems, microelectronic components, fine ceramic products and complete solar power systems. The Kyocera Group has two independent companies in the Federal Republic of Germany: Kyocera Fineceramics GmbH in Neuss and Esslingen and Kyocera Document Solutions in Meerbusch.

The company also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation – established by Kyocera founder Dr. Kazuo Inamori – to individuals and groups worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (converted at present €362,000 per prize category).

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