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Pepperl+Fuchs Industrial Flat Panel Monitors now part of Emerson Alliance Partner Program

Engineered for extreme environments and/or continuous duty operation, and fully configurable to suit specific application requirements.

Pepperl+Fuchs Industrial Flat Panel LCD Monitors "VisuNet DM" are now part of the Emerson Alliance Partner Program. Available as general purpose displays or as a UL listed Class I/Div 2 device, these monitors are engineered to deliver reliable operation and long life in harsh application environments, and/or in applications demanding continuous duty operation. They are a true industrialized monitor, delivering the highest MTBF in the industry at over 550,000 hours. They come in a variety of mounting styles to suit varying application needs, and can even be combined with a Pepperl+Fuchs Bebcos EPS purge systems for Class I/Div. 1 hazardous environment mounting.

Pepperl+Fuchs Industrial Flat Panel Monitors are rated for use in temperatures ranging from -10° C to 55° C. They accept standard VGA or NTSC inputs from a PC or video camera source. Additionally, they can multi-sync to any standard video mode from 640x480 to 1600x1200, and widescreen 1680X1050, at scan rates from 60 to 75 Hz, without image distortion or flicker. These displays are powered from a 12 VDC external power supply to keep heat away from the monitor, maximizing reliability and operating life. Display options include touch screen, transfective, stainless steel (NEMA4x) or black painted steel bezel.

Pepperl+Fuchs' family of rugged flat panel monitors use only industrial grade components. No consumer grade electronics are implemented in the product. This differs with other industrial monitor manufacturers that package steel around a commercial grade LCD, and sell it as an industrial device.

Starting with an industrial grade LCD is only the first step to delivering a premiere-quality product. Additional ruggedizing attributes that make these a true industrial flat panel display solution include:

- Heavier gauge metal & wiring, corrosion protection
- Internal bulkhead wiring, gold plating, latching/tie downs
- Better shock/vibration specs, shock absorbing gaskets
- Higher temperature and humidity specs
- Brighter back lamps (up to 500 nits) and wider viewing angles
- Longevity/support/replaceable back lamps
- Full industrial agency ratings

An optional resistive touch screen is suitable for general purpose, and Ex-hazardous Class I/Div 2 environments. Resistive touch screens feature thin glass film bonded to the front user surface for superior protection against long term surface wear and incidental scuffs. This glass film also protects against the effects of corrosive chemicals and provides shatter protection from frontal impacts. The hardened resistive touch screen is interchangeable with the standard touch screen, and can be upgraded upon request

A resistive touch screen also provides mouse emulation by applying a small amount of pressure on the desired location of the monitor screen. This allows the operator to use a finger, glove, stylus, etc. to initiate the touch screen functionality. There is also a self-calibration tool for precise adjustments. Pepperl+Fuchs' touch screens have both a USB and Serial output for PC interfacing.

About Pepperl+Fuchs

Pepperl+Fuchs is a leading developer and manufacturer of electronic sensors and components for the global automation market. For more than 60 years, our continuous innovation, high quality products, and steady growth has guaranteed us continued success.

One Company – Two Divisions

Pepperl+Fuchs – PROTECTING YOUR PROCESS

The **Process Automation Division** is a market leader in intrinsically safe explosion protection. We offer comprehensive, application-oriented system solutions, including customer-specific control cabinet solutions for the process industry. A large portfolio of components is available from our various product lines: isolated barriers, fieldbus infrastructure solutions, remote I/O systems, HART interface solutions, level measurement devices, purge and pressurization systems, industrial monitors and HMI solutions, power supplies, separator alarm systems for oil and petrol separators, signaling equipment, lighting as well as emergency shutdown equipment and accessories.

Pepperl+Fuchs – SENSING YOUR NEEDS

With the invention of the inductive proximity sensor in 1958, the company set an important milestone in the development of automation technology. Under the motto “Sensing your needs”, customers benefit from tailor-made sensor solutions for **factory automation**. The main target markets of the factory automation are machine and plant construction, the automotive industry, storage and material handling, printing and paper industry, packaging technology, process equipment, door, gate and elevator construction, mobile equipment, renewable energies.

The division offers a wide product range of industrial sensors whether it’s inductive, photoelectric or ultrasonic sensors, rotary encoders, identification systems, barcodes, code readers for data-matrix-codes and vision sensors.

Key words: Industrial flat panel monitor, extreme environments, continuous duty operation, touch screen, general purpose display, UL rated Class I/Div 2 display, Emerson Alliance Partner Program

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Fig. 1: Industrial Flat Panel Monitors - now part of Emerson Alliance Partner Program