

FCI Flow Meters and Flow Switches Comply With UAE Conformity Assessment Scheme (ECAS)

Independent Third Party Review By Intertek Confirms EQM-Ex

San Marcos, CA — An independent evaluation and review confirms the thermal sensing technology [Air/Gas Flow Meters](#) and [Flow/Level/Temperature Switches](#) manufactured by [Fluid Components International \(FCI\)](#) meet the new requirements of the Emirates Conformity Assessment Scheme (ECAS) and the Emirates Quality Mark (EQM).

The United Arab Emirates (UAE) ECAS process prescribes quality and safety requirements for industrial and consumer products. The UAE ECAS certificate is proof that FCI's flow meters and flow switches have been approved by the UAE Ministry of Industry and Advanced Technology (MOIAT). The achievement of EQM-Ex status is a full assessment scheme and quality mark licensing program that confirms the suitability of FCI products for installation in potentially explosive locations

With an ever increasing demand and global focus on plant and operational safety within the chemical, electric power, oil/gas, petroleum refining and other industries, instrumentation approval specifications have expanded. Today, compliance with specialized, local country-specific standards, such as the UAE's ECAS/EQM, are more rigorously specified than ever.

FCI's precision thermal mass flowmeters, flow switches and liquid level switches are designed, manufactured and certified to operate safely in some of the world's most demanding industrial operating environments and applications. FCI product certifications include FM, FMc/CSA, ATEX, IECEx, NEPSI, EAC/TR CU, Inmetro, KC, CCoE/PESO, and now EQM-Ex for HazEx installations, as well as CE Mark, ECAS, UKCA, CPA, CRN, SIL, AMS/QAL 1 and more.

To ensure FCI provides unbiased failure rate data, FCI has responded to these international requirements by utilizing independent, authorized third party testing agencies. These include Intertek and others, such as TÜV, Dekra, LabTest, and exida, which perform these evaluations and certifications on FCI's portfolio of products.

Knowing the flow rates at which liquids and gases are traveling through pipes and liquid level points are measurements critical to industry. FCI instrumentation combines precision thermal mass sensors with ruggedized electronics designed to provide accurate, highly repeatable flow and level measurement



solutions for a wide variety of industrial process applications. When FCI's thermal dispersion sensing instruments are put to work, they operate around the clock to ensure safe and efficient process and plant operations. They minimize raw materials usage to protect global resources, while conserving energy and reducing the impact that processes might have on the environment.

For over five decades FCI has led the world in thermal dispersion technology. The company has invested its time and the resources to optimize, continuously improve and perfect this technology. It provides flow and level measurement solutions for a wide range of industrial plant and process applications. FCI solutions are designed, verified, and tested to meet or exceed customer requirements and the world's most demanding global safety and quality standards.

FCI's newest air/gas flow meters combine the most feature- and function-rich electronics with the industry's most advanced array of flow sensors to achieve a truly state-of-the-science flow metering solution. They combine measurement accuracy with a rugged design and industry's widest selection of analog and bus communications outputs. They install easily into a single tap point in a pipe and require virtually no maintenance.

FCI flow switches are ideal for a wide range of air, gas, water and liquid flow rate alarm/trip point detection applications. The level switches provide highly repeatable liquid point level and interface detection. They feature an advanced no-moving parts, rugged thermal dispersion sensor combined with precision electronics with field user settable alarm/trip points to open collector and relay outputs. They are inherently dual-variable with temperature measurement also included, so dual alarming on flow and temperature or level and temperature from single instrument is possible.

FCI's world-class flow calibration laboratory, with 19 different flow stands utilizing equipment traceable to NIST (US National Institute of Standards and Technology), and ISO/IEC 17025 (International Standards), tests and calibrates all FCI products to ensure instrument accuracy with the customers' actual fluid and process conditions.

Fluid Components International is a global company committed to meeting the needs of its customers through innovative solutions for the most challenging requirements for sensing, and measuring flow, level, and temperature