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The regulations for equipment used in hazardous areas where there is a risk of explosion vary slightly in different parts of the world. The Vaisala HMT360 Series Humidity and Temperature Transmitter used in hazardous areas has now received local approvals in three new countries. New approvals have been awarded to HMT360 by Factory Mutual in the USA, TIIS in Japan and Test Safe in Australia.

Safe measurements in hazardous areas
HMT360 Series Receives New Approvals

The HMT360 provides accurate measurements and safe operation on hazardous installation sites.

The Vaisala HMT360 Series Industrial Humidity and Temperature Transmitter was launched in 1999 with the European EEx approval for use in hazardous areas. However, global needs in this strictly controlled application area do not necessarily follow European regulations. This has caused the need to expand the range of local approvals for HMT360 Series Transmitters. In addition to the European approval ATEX100a from PTB (Physikalisch-Technische Bundesanstalt/Federal Institute of Physics and Metrology in Germany), the HMT360 series now has approvals from Factory Mutual in the USA, TIIS in Japan and Test Safe in Australia.

In industrial applications in the USA, Factory Mutual (FM) is an authority on approving instruments for use in potentially explosive atmospheres. Factory Mutual Research electrical equipment testing is based on Factory Mutual Research standards, American National Standards Institute (ANSI) Standards, and International Electrotechnical Commission (IEC) Standards.

In Japan, the Technology Institution of Industrial Safety (TIIS) has also approved the HMT360 Series. TIIS is a non-governmental, non-profit, self-sustaining organization which is recognized by the Ministry of Labor as a juridical incorporation. The objective of TIIS is to help reduce industrial accidents and contribute to the benefits of various industrial sectors in Japan.

TestSafe approval in Australia is the most recent approval for HMT360 Series Transmitters. TestSafe Australia is a safety testing and research facility which offers manufacturers and suppliers a comprehensive range of safety testing, certification, and approval services in the electrical, electronic, mechanical and personal protective equipment fields. Certificates and approvals at TestSafe are issued for conformance with Australian Standards and legislative requirements.

For hazardous areas the Vaisala HMT360 Series Humidity Transmitters are indispensable. They represent the latest measurement technology and fulfil safety requirements laid down in a wide variety of countries. The thorough studies made on the HMT360 Transmitter guarantee the safety of high-performance humidity and temperature measurements, even in installations with continuous exposure to the most easily ignited flammable gases. ●