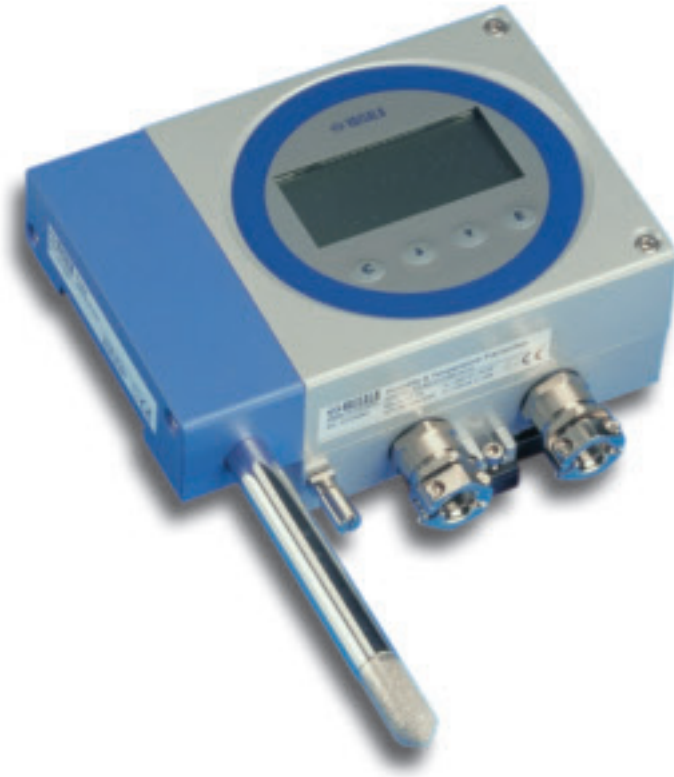


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*The HMT360, which meets all aspects of the new ATEX100 Directive, provides accurate humidity measurements and safe operation even at hazardous installation sites.*

## New ATEX Directive for hazardous areas **HMT360 Approved at PTB**

The equipment used in hazardous areas, with a risk of explosion, must be specially designed. The regulations for such equipment vary slightly in different parts of the world. In the European Union, the latest regulations are included in the ATEX100a Directive. Compliance with this directive will be mandatory in all new installations from 1 July 2003.

**S**afety in the workplace is an important issue. If employees are potentially at risk, strict rules and regulations are needed to prevent accidents and avoid economic loss, injury or even death. Some of the most important regulations concern areas where there is considerable risk of electrical equipment igniting flammable gases. In hazardous areas such as these, Vaisala's HMT360 Series Humidity Transmitters are indispensable. They not only represent the latest measurement technology, but also fulfil all safety requirements laid down in the new ATEX100a Directive for hazardous areas.

Compliance with the ATEX100a Directive will be mandatory for all new installations in the EU from 1 July 2003 and for existing installations from 1 July 2006. The instruments fulfilling the ATEX100a regulations must be designed and perform in accordance with the new strict technical regula-

tions, and the manufacturer must have an approved quality system and certified operations. The approved unit will then have permission to use the CE label which shows that the ATEX100a regulations have been met and that the electromagnetic compatibility (EMC) of the product complies with the latest EU standards.

### **Safe measurements even in hazardous areas**

The ATEX100a approval for Vaisala's HMT360 Series of Intrinsically Safe Humidity and Temperature Transmitters was carried out in Germany at PTB (Physikalisch-Technische Bundesanstalt/Federal Institute of Physics and Metrology). The thorough studies made on the HMT360 Transmitter guarantee the safety of the high-performance humidity and temperature measurements even in installations with continuous exposure to the most easily ignited flammable gases. ■