

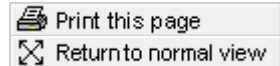


CONFORMITY ASSESSMENT

July 2009

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E-TECH



First IECEx Conformity Mark License to Vaisala Oyj of Finland

[Vaisala](#) Oyj, a Finnish maker of products for environmental and industrial measurement, is the first in the world to receive the Ex Mark ([IECEx](#) Conformity Mark License).

The Ex Mark was granted by [VTT](#), a leading applied research organization, also based in Finland, that provides high-end technology solutions and innovation services. VTT was one of the first IECEx CBs (Certification Bodies) approved to issue the Ex Mark. (See the [July 2008 e-tech.](#))

The Ex Mark was launched in 2008 by IECEx, the IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres. It is issued by approved ExCBs (IECEx certifiers) in IECEx participating countries for equipment that is covered by an IECEx Certificate of Conformity and hence has been tested and manufactured under systems that are under ongoing surveillance by ExCBs.

Once it receives an Ex Mark, a company can use it on all equipment covered by an IECEx Certificate of Conformity. IECEx certification is sufficient proof of Ex protection in every country participating in the system and guarantees that the equipment has access to the market without additional tests. The Ex Mark adds the visible sign that shows this.

The Vaisala equipment that received the IECEx Certificate of Conformity and thus is permitted to display the Ex Mark, was the Humidity and Temperature Transmitter Series HMT360, which is used, for example, in the pharmaceutical, chemical and petrochemical industries, where humidity and temperature measurements are essential parameters to guarantee a safe environment.

While the HMT360 equipment is already covered by the European [ATEX](#) approval and five different national approvals, obtaining the Ex Mark is key to enhancing Vaisala's ability to market the product globally. (Note: ATEX is the name commonly given to the framework for controlling explosive atmospheres and the standards of equipment and protective systems used in them. It is based on the requirements of two European Directives.)

Vaisala Group

The Vaisala Group, headquartered in Finland, develops, manufactures and markets products and services for environmental and industrial measurement. Its major customer groups include national meteorological services, aviation authorities, defence forces, road and rail authorities, land and water resource management agencies, research institutes, insurance companies, public utilities and industry worldwide. Vaisala has offices and operations in Finland, Northern America, France, the United Kingdom, Germany, India, China, Sweden, the United Arab Emirates, Malaysia, Japan and Australia.

VTT

VTT Technical Research Centre of Finland is a leading applied research organization in Northern Europe and part of the [Finnish innovation system](#), the national innovation system, an entity which is under the domain of the Ministry



Note the relevant certificate number which is inserted in the box below the "Ex"

of Employment and Economy. VTT offers services such as assessments, testing, certifications and inspections. It also provides certification of electrical equipment for explosive environments according to the IECEx System, which includes type approval of equipment, quality approval of the manufacturer's production system and right to use the voluntary Ex Mark.

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IEC links

IECEX
IEC System for Certification to Standards relating to
Equipment for use in Explosive Atmospheres

July 2008 e-tech:

*First three IECEx ExCBs accepted to issue
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External links

[ATEX](#) and explosive atmospheres

Finnish innovation system:
the national system under the Ministry of Employment
and Economy

VTT:
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