

Type Examination



No. BSI 06 ATEX 2501284X

Product Details: Type 11 sensor head is a temperature transmitter head box for thermocouple or RTD temperature measurement with a certified temperature transmitter contained within and RTD or thermocouple (designated as simple apparatus) connected to the transmitter on one side and external connection via a certified zener barrier or galvanic isolator on the other side. The equipment may also be used as a terminal box with terminal arrangement provided the terminals are supplied from an intrinsically safe certified zener barrier or galvanic isolator.

Name and address of Manufacturer : H&b Sensors Ltd
Odyssey House
Durban Rd
Bognor Regis
West Sussex
PO22 9RH
UK

Date of application for Assessment : 03 Oct 2005

Certificate issued on the basis of the following requirement : On the basis of an examination under the requirements of Council Directive 94/9/EC Annex III (EC Type Examination) of the ATEX Directive, as transposed into UK law by the ATEX Regulations SI 1996 192 as amended SI 2001/3766

Dates of test/assessment : 09 Nov 2005 – 15 Oct 2007

Tests and standards used : 94/9/EC Annex III – EC Type Examination as implemented by:
SI 1996 / 192 + Amendment SI 2001 / 3766
Refer to BSI Product Services report number 239/4770588

For and on behalf of the British Standards Institution, a Notified Body for the above Directive (Notified Body Number 0086):

Alastair Trivett, Managing Director, BSI Product Services - Global

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ADDITIONAL INFORMATION

SPECIAL CONDITIONS FOR SAFE USE

1. Equipment must be installed such that protection from impact and abrasion is afforded. User must regularly check for signs of damage to exterior finish and replace the equipment should signs of damage be apparent.
2. The equipment may be installed with one of the ATEX certified devices listed below in conjunction with an RTD or thermocouple & supplied from a suitably certified zener barrier or galvanic isolator with appropriate parameters. The equipment may also be used as a simple junction box with i/o parameters of $U_i : 28 \text{ V}$, $I_i : 100 \text{ mA}$, $P_i : 0.7 \text{ W}$.

Manufacturer	Model	Certificate
PR Electronics	PR5331B	DEMKO99ATEX126962
PR Electronics	PR5333B	KEMA03ATEX1535X
PR Electronics	PR5334B	DEMKO99ATEX126963
PR Electronics	PR5335B	KEMA03ATEX1537X
PR Electronics	PR5350B	KEMA02ATEX1318
Status Instruments	SEM205X	TRL03ATEX21032X
Status Instruments	SEM210X	TRL03ATEX21032X
Status Instruments	SEM310X	TRL03ATEX21013X
Bourdon Haenni	Flextop 2201	DEMKO99ATEX126613X
Bourdon Haenni	Flextop 2211	DEMKO01ATEX134045X
Bourdon Haenni	Flextop 2221	DEMKO01ATEX134045X
Rosemount	248	Baseefa03ATEX0030X
Wika	T12	DMT99ATEXE008X
Wika	T32	DMT98ATEXE007X

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3. Where the certification of the transmitter device requires special measures be taken due to failure to meet dielectric strength requirements, then the user must take necessary measures, as indicated on the device certification.
4. When installing the Type 11 Head with any of the devices listed in 2, above, the full instructions and a copy of the EC Type Examination Certificate must be available and used by the installer/user.

CONDITIONS FOR MANUFACTURE

When supplying the Type 11 Head with any of the above listed devices, the EC Type Examination Certificate and instructions relevant to that device must also be supplied.

ATEX DIRECTIVE CODE: II 1 G

STANDARDS CODE: Ex ia IIC

Ta = -20°C to +40°C

DOCUMENTATION

Number	Rev	Pages	Date	Description
HBS/13/5761	A	1	06 APR 06	Head 11 Tx Ass'y
HBS/13/5762	A	1	06 APR 06	System Diagram for Temperature Transmitter
HBS/13/5763	B	1	19 JUL 07	I.S. Label
HBS/13/5823	A	*	*	Instruction Sheet

* Denotes that the document supplied showed no data for this field

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