**STIKO** Meetapparatenfabriek B.V.
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Chamber of commerce
04023004



## GB

### EU Declaration of Conformity

Directive 2014/34/EU (ATEX)
Zone 1, 2, 21, 22
Directive 2014/68/EU (PED)

We declare under our sole responsibility that the non-electrical products pressure and temperature gauges with models:

PBX; PBB; PBD; PBS; PFS; PBQ; PFQ; PBR; PBT; PCX; PCD; PMX; POD; PDD; RPX; TXR; TXC; RTX; RTC

correspond with the directive.

Design:
- with safety glass;
- with blow out device.

The dossier is retained under file nr. 203104000-0830 at the notified body:
Dekra Certification B.V.
Meander 1051
6825 MJ Arnhem
The Netherlands

The gauges are marked with:

CE Ex II 2 G c or II 2 D c

Applied standard:
- EN 13463-1:2009
- EN 13463-5:2011

Managing director
Directeur administratif
Geschäftsführer

A.W. Mulder

## F

### Déclaration UE de Conformité

Directive 2014/34/UE (ATEX)
Zones 1, 2, 21, 22
Directive 2014/68/UE (PED)

Nous déclarons sous notre seule responsabilité que les non électrique appareils:

PBX; PBB; PBD; PBS; PFS; PBQ; PFQ; PBR; PBT; PCX; PCD; PMX; POD; PDD; RPX; TXR; TXC; RTX; RTC

sont conformes à la directive.

Variante:
- verre de sécurité;
- ouverture de décompression

Au dossier numéro 203104000-0830 déposé par l'organisme notifié:

Dekra Certification B.V.
Meander 1051
6825 MJ Arnhem
Pays-Bas

Les appareils sont caractérisés par le marquage:

CE Ex II 2 G c ou II 2 D c

Norme appliquée:
- EN 13463-1:2009
- EN 13463-5:2011

## D

### EU-Konformitätserklärung

Richtlinie 2014/34/EU (ATEX)
Zonen 1, 2, 21, 22
Richtlinie 2014/68/EU (PED)

Wir erklären in alleiniger Verantwortung, dass die nicht elektrischen Produkte Manometer und Thermometer mit Typ:

PBX; PBB; PBD; PBS; PFS; PBQ; PFQ; PBR; PBT; PCX; PCD; PMX; POD; PDD; RPX; TXR; TXC; RTX; RTC

in bereinstimmung sind mit der Richtlinie.

Ausführung:
- mit Sicherheitsglass;
- mit Druckentlastungsöffnung.

Die Unterlagen werden aufbewahrt unter der Aktennummer 203104000-830 bei der benannten Stelle:
Dekra Certification B.V.
Meander 1051
6825 MJ Arnhem
Niederlande

Die Geräte warden gekennzeichnet mit der Kennzeichnungen:

CE Ex II 2 G c oder II 2 D c

Angewandte Norm:
- EN 13463-1:2009
- EN 13463-5:2011

Version 31th of January 2018

KEMA Quality
a DEKRA company

Stiko Meetapparatenfabriek B.V.
Industrieweg 5
9301 LM Roden
The Netherlands

**Your ref.**
**Our ref.** 203104000 / 0830 - PHOK
**Tel.** +31 26 3 56 20 08
**Fax** +31 26 3 52 58 00
**E-mail** ex@kema.com

Arnhem, 6 December 2010

Subject: **Confirmation letter**

Dear Mr. Mulder,

We are pleased to inform you that the technical construction file (TCF) of your TXR; TXC; RTX; RTC; PBX; PBB; PBD; PBS; PFS; PBQ; PFQ; PBR; PBT; RPX; PCX; PCD; PMX; PMD; POD and PDD has been checked on completeness with the list of documentation as listed in Annex VIII of the Directive with positive results.

KEMA Quality B.V., Notified Body No. 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, confirms that you have complied with the procedure for the assessment of compliance according to the ATEX Directive 94/9/EC, Chapter II, Article 8 (1) (b) (ii).

The technical construction file will be retained for inspection purposes for at least 10 years after the last piece of equipment was manufactured.

In case of any questions, please contact our Business Support Office.

Yours sincerely,

KEMA Quality B.V.

C.G. van Es
Certification Manager

# GB USER INSTRUCTIONS : PRESSURE GAUGES AND THERMOMETERS WITHOUT ELECTRICAL CONTACTS.

**Usable in explosive atmospheres.**
Pressure gauges: type: PBX; PBB; PBD; PBS; PFS; PBQ; PFQ; PBR; PBT; RPX; PCX; PCD; PMX; PMD; POD; PDD.
Thermometers type: TXR; TXC; RTX; RTC.

These instruments were developed, manufactured and checked pursuant to directives:
2014/34/EU: (ATEX)
2014/68/EU: pressure equipment directive (PED).
The brand and model number are marked on the instrument.

| ATEX used standards |
|---|
| EN 13463-1:2009 |
| EN 13463-5:2011 |

## Marking

The following information is reproduced on the instrument:
- Stiko bv, Industrieweg 5, 9301 LM Roden, The Netherlands
- Type of the instrument
- Serial number
- year of production
- KEMA file number: 203104000-0830
- CE Ex II 2 G c or II 2 D c
- T ambient –30 / + 80 °C

**WARNING:**
Incorrect use of apparatuses can cause damage and injuries. Under this Directive, the user must ensure that apparatuses are installed and used in such a way that pressure-related hazards are eliminated to a maximum extent. The instructions in this leaflet must be strictly followed. Stiko declines all responsibility for any direct or indirect damage to property or persons as well as for the consequence, for example, of lost production resulting from failure to observe the instructions in this leaflet.

**Before starting installation, follow for pressure gauges the recommendations of standard EN 837-2 and for thermometers the recommendations of standard EN 13190:**
Check that:
- the pressure gauge, designed in compliance with standard EN 837-1/3 or
- the thermometer, designed in compliance with standard EN13190

is suitable for the planned use in terms of:
- Operating pressure (OP): depending on models, OP=75 or 100% of the maximum value of the dial scale (a triangular symbol indicates 100).
- Operating temperature (OT)
- Safety level of the apparatus
- Process connection
- Type of mounting
- Compatibility of materials in contact with the fluid to be measured.
- Check the material indicated on the dial. If there is no indication, materials in contact with the fluid are of stainless steel.
- Check that the apparatus is compatible with environmental conditions, vibrations, shocks, pulses and the surrounding atmosphere.
- Special precautions are necessary with dangerous fluids, for instance: oxygen, acetylene, flammable materials, or toxic products and for fluids for the refrigeration industry.

**Use in an oxygen circuit**
Check that the apparatus is designed for such an application. The dial must have the word OXYGEN printed in red and the international symbol “Oil-free” (a crossed-out oil can). The apparatus must not have been in contact with oil or grease that is incompatible with oxygen: RISK OF EXPLOSION.

**Mounting**
An apparatus must be mounted in compliance with standard practice.
- The instrument shall to be mounted with face forward (window vertical).
- We advise to mount the pressure gauge with an insulation valve.
- We advise to mount the thermometer with a thermowell or a pocket suitable for the process pressure media.
- The user must check that the connections are perfectly sealed by using suitable seals which are compatible with the fluid to be measured.
- Use a correctly sized spanner to tighten connections. **NEVER TWIST THE CASE IN ORDER TO TIGHTEN CONNECTIONS**.
- Comply with the instructions given on the device when putting it into service.
- For apparatus fitted with a rear blow-out disc or blow-out back, ensure that there is a gap of at least 15 mm between the rear panel of the casing and the surface immediately next to it.
- Likewise, for this type of rear blow-out disc and a casing filled with damping fluid, do not remove the disc from its location.
- Only re-use an apparatus if the fluid is the same as for its first use.

**WARNING:**
The operating conditions must be such that the device can be used safely.
The apparatus must not be subjected to:
- **mechanical shock**: if there is a risk, install it remotely with a capillary connection.
- **vibrations**: if there is risk, install it remotely with a capillary connection.
- **pressure pulses**: if there is a risk use a mount with restrictor screw or a damper.

WARNING: pressure pulses cause a risk use a considerable shortening of the operating life of apparatuses.
- pressures greater that operating pressures (OP). Otherwise use a pressure relief valve.
- temperatures greater or less than operating temperatures (OT). If there is a risk use a siphon mount or mount with capillary connection to give the correct temperature at the apparatus.

Note: Failure to observe the conditions above may reduce apparatus safety. In such cases contact us.

**Disassembly**
- During disassembly, check that the apparatus is no longer under pressure. As a precaution, disassemble it slowly.
- Check that the temperature of the apparatus body is not sufficient to cause burning.
- Check that residues of the product present in the tube and block of the apparatus are not dangerous for the operator and the environment.

**Maintenance**
- The general safety of a facility often depends on the reliability of indications on the apparatuses installed in the facility.
- Any apparatus that seems to be giving false readings must be removed immediately, and tested. If the tests prove it is unreliable, it must be replaced.
- Periodic verifications should be carried out to check the accuracy of apparatuses.
- Any apparatus considered to have been subjected to abnormal conditions of use (e.g. fire, wrong fluid, blow-out, etc.) must not be used.
- Maintenance, verification or recalibration must be carried out by personal approved by the manufacturer and using suitable equipment.