



# IECEx Certificate of Conformity

Certificate No.: IECEx BAS 09.0027X

Date of Issue: 2009-04-30

Issue No.: 0

Page 3 of 3

## Schedule

### EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Type KMS-2 Magnetostrictive Transmitter & Type KTX \*\* Switch Units both comprise the following components:-

- A connection/transmitter head unit housed in a cylindrical enclosure to IECEx BAS 09.0023U.
- A cable bushing to IECEx BAS 09.0024U between the head and the probe.
- A switching or magnetostrictive probe unit between 200mm and 6m in length to IECEx BAS 09.0025U

#### KMS-2 Magnetostrictive Transmitter

The KMS-2 Magnetostrictive Transmitter utilises a magnetostrictive probe and is rated up to 28V d.c. with a maximum power dissipation of 2W.

The transmitter head contains several printed circuit boards including a terminal board and an optional display module and window cover.

#### KTX Switch Transmitter

The KTX Switch Transmitter units utilise a switching probe and is rated up to 28V d.c., 120mA with a maximum power dissipation of 2W for most versions, or 250V, 1A a.c. or 0.5A d.c. with a maximum power dissipation of 3W for the KTX S\*\* versions.

The transmitter head contains a terminal board and a potted 4-20mA electronics module. In addition some of the assemblies include an optional display module and window cover.

### CONDITIONS OF CERTIFICATION: YES as shown below:

- The integral probes may be used with process vessels at elevated temperatures up to 250°C, however the connection/transmitter head shall be 'stood-off' and the Temperature Class adjusted as follows:-

Temperature Class	Ambient Temperature	Maximum Probe Temperature	Minimum Stand-off Distance
T6	-50°C to +60°C	40°C	0
T6	-50°C to +40°C	60°C	75mm
T5	-50°C to +60°C	80°C	125mm
T4	-50°C to +60°C	120°C	175mm
T3	-50°C to +60°C	180°C	250mm
T2	-50°C to +80°C	250°C	325mm

Alternative probe temperatures and stand-off distances may be permitted as detailed on the certified drawings, but in these cases the parameters shall be specifically marked on the label.

- The probes are NOT intended to interface directly with Zone 0 areas. When used with Zone 0 tanks etc (EPL Ga), the probe shall be installed in accordance with IEC 60079-26 (i.e. in a separate ventilated pocket and/or fed from an intrinsic safety supply)