



(13) Annex

(14) **EU Type Examination Certificate**  
**TÜV 18 ATEX 8330 X** Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Compac Coriolis Meters – V50 and KG100

15.2 Description / Details of Change

General product information

The Compac V50 and KG100 Meters are Coriolis flow meters.

The V50 Meter enclosure is made from polycarbonate or polycarbonate/ABS. External connection to the V50 Meter is made via an integral cable up to 5 metres in length terminated with a 10 pin receptacle. An extension cable extending the total length of cable to 50 metres may also be used.

The KG100 Meter enclosure is made from zinc coated mild steel (Zintex) with a powder coat finish. The KG100 Meter may be fitted with either a CI508 or CI520 Adaptor board.

External connection to the KG100 Meter (with CI508) is made via an integral 6 core cable up to 5 metres in length terminated with a 10 pin receptacle. An extension cable extending the total length of cable to 50 metres may also be used for the KG100 Meter (with CI508).

External connection to the KG100 Meter (with CI520) is made via an integral 15 core cable up to 5 metres in length terminated with a 5 pin connector (J200 - for factory programming only), an 18 pin connector (J201) and a 10 pin connector (J202). An extension cable extending the total length of cable to 10 meters may also be used for the KG100 Meter (with CI520).

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## Technical Data

### Electrical Data

The following parameters shall be considered when connecting the equipment to an intrinsically safe circuit:

<b>V50 Meter J1 (Doc CI225 Schematics Sht 5)</b>	
Ui	6 V
Ii	235 mA
Pi	1.1 W
Li	50 µH
Ci	137 µF

<b>KG100 Meter (with CI508) J201 (Doc CI508 Schematics Sht 2)</b>	
Ui	6 V
Ii	235 mA
Pi	1.1 W
Li	50 µH
Ci	137 µF

<b>KG100 Meter (with CI520) (Doc CI520 Schematics Sht 2)</b>			
<b>J201</b>		<b>J202</b>	
Ui	17.5 V	Ui	6 V
Ii	1.7 A	Ii	235 mA
Pi	29.75 W	Pi	1.05 W
Li	10 µH	Li	10 µH
Ci	3 nF	Ci	146 µF

### Thermal Data

Ambient temperature

$$T_{amb} -40^{\circ}\text{C} \leq \text{to} \leq +70^{\circ}\text{C}$$

Compac Coriolis Meters – V50 and KG100: T4

(16) Test-Report No. 557/Ex 8330.00/18

(17) Special Conditions for safe use

For the KG100 with CI520 Adaptor board, programming connector J200 (5 pin connector) shall not be connected in the hazardous area and is only used for factory programming

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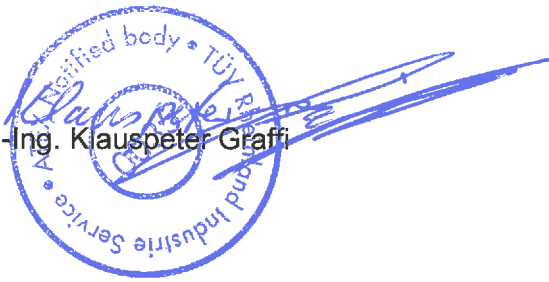
(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2019-04-04

Dipl.-Ing. Klauspeter Graffi



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