(1) EU-TYPE EXAMINATION CERTIFICATE

(2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number

TÜV 18 ATEX 8330 X Issue: 01

(4) Equipment: **Compac Coriolis Meters – Model V50 and KG100**

(5) Manufacturer: **Compac Industries Ltd**
(6) Address: **52 Walls Road, Penrose, Auckland 1061, New Zealand**

(7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex 8330.01/18

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0:2018 **EN 60079-11:2012**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following:

II 2 G Ex ib IIA T4 Gb -40°C ≤ Tamb ≤ +70°C

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz Cologne, 2023-06-20

Dipl.-Ing. Christian Mehrhoff

ATEX Notified body • TÜV Rheinland Industrie Service • 0035

This EU-Type Examination Certificate without signature and stamp shall not be valid.
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the
TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13) Annex

(14) # EU Type Examination Certificate

TÜV 18 ATEX 8330 X Issue: 01

(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 meters in length terminated with a 10 pin receptacle. An extension cable extending the total length of cable to 50 meters may also be used.

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

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

This ATEX certificate addresses the below supplementary changes:

- Obsoletion of the KG100 option built with CI520 Adapter PCBA
- Obsoletion of the CI516 Meter Display, replaced by CI529 Meter Display
- Minor changes to the CI225 and CI226 PCBAs used within the V50 and G100 Meters
- Change in the notified body on the marking labels

Technical Data

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

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

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

Ambient temperature -40°C ≤ Ta ≤ +70°C

(16) Test-Report No. 557 / Ex 8330.01 / 18

(17) Special Conditions for safe use

1. The parameters listed under technical data shall be considered when connecting the equipment to an intrinsically safe circuit.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz Cologne, 2023-06-20

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