



EC - TYPE EXAMINATION CERTIFICATE

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 EC - Type Examination Certificate Number: **Baseefa03ATEX0242**
- 4 Equipment or Protective System: **INTRINSICALLY SAFE PICK-OFF COIL ASSEMBLY TYPE 664151**
- 5 Manufacturer: **APOLLO FLOW MEASUREMENT LIMITED**
- 6 Address: **Walsall, WS2 9LZ**
- 7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Baseefa (2001) Ltd. Notified body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system 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 atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential Report No. **03(C)0061**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + Amds 1 & 2 EN 50020: 2002 EN 50284: 1999
except in respect of those requirements listed at item 18 of the Schedule.
- 10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- 11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- 12 The marking of the equipment or protective system shall include the following :

Ⓧ II 1 G EEx ia IIC T5

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa (2001) Ltd. Customer Reference No. 3677

Project File No. 03/0061

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



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Schedule

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Certificate Number Baseefa03ATEX0242

15 Description of Equipment or Protective System

An Intrinsically Safe Pick-Off Coil Assembly Type 664151 is designed to produce output pulses in response to movement of ferrous materials close to the probe tip.

The inductance of the pick-off coil and the maximum generated output are suppressed by zener diode clamps.

This unit has an integral cable which must be terminated within an enclosure meeting the minimum requirements of 1P20.

$P_i = 0.75W$

$C_i = 0$

$L_i = 0$

16 Report Number

03(C)0061

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
664 151	1	D	28.01.03	Potted diode housing and coil assembly
556 321	1	D	27.03.03	IS coil PCB assembly