

SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS11ATEX27254X Issue 4

For intrinsic safety considerations, under faults conditions, the voltage, current and power at the output terminals TB1 - 1 & 3, terminals TB2 – 12 & TB1 – 3, and terminals TB4 - 8 & 9 and 10 & 11 do not exceed those specified in clause 5.7 of EN 60079-11. The equivalent capacitance and inductance are the result of r.f. suppression components directly connected across the apparatus input terminals.

14. Report Number

Intertek Report Ref: 102970263LHD-001 Issue 0 dated September 2017.

15. Special Conditions of Certification

(a). Specific Conditions of Safe Use

- For use in Group IIIC conductive dust atmospheres, the Indicator or Totaliser shall be mounted such that the instrument terminals have at least IP6X protection.

(b). Conditions of Manufacture - Routine Tests

- The voltages applied to infallible transformers shall conform to the values given in Table 10 as per the requirements of EN 60079-11:2011 clause 11.2, Routine tests for infallible transformers.

16. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report Ref: 102970263LHD-001 Issue 0 dated September 2017.

17. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
ATEX & IECEx Certification Information for BA304E, BA307E & 308E 4 Digit Indicators BA324E, 327E & BA328E 5 Digit Indicators BA354E & BA358E Rate Totalisers	CI300-61, sheets 1, 2, 4 – 8, 16, 17, 26, 27, 30, 31, 33 – 36 of 36	2	Oct' 13

18. Details of Certificate changes

Issue 2: Deletion of output parameters at terminals TB1, TB2 and TB4

Issue 3 (Intertek Project No. G101515756):

The modification which is the subject of this report comprises the following:

- Addition of alternative track layout for Alarm Board (PC167) and for BA3x7E & BA3x8E Panel Unit Main Board (PC162).
- Power rating of safety related components R2, R112 and R119 was changed from 0.5W to 0.25W at 70°C. This change does not compromise intrinsic safety of the equipment.
- Alternative metallic enclosure for the equipment
- Non-safety related changes to the circuit as follow:
 - Addition of rectifying diode D110
 - 4 pin header connector changed to 3 pin header for communication purposes
 - Track links LK102 and LK103 replaced with zero 0Ω resistors R120 and R121
 - Zener diodes D1, D4 – D8 replaced with bi-directional TVS diodes on input terminals
 - Addition of C102, C106 and IC101 power connections, all omitted in error
 - Zener diodes D4 and D5 changed from 6V max, 0.84W @ 70°C to 39.2V max, 2.6W @70°C and If = 1A max

