



**1. GENERAL**

The apparatus, a HART Communicator, designated as Model 5150X is a handheld process communicator for use in an ambient temperature range of -10°C to +50°C. It is battery powered by a replaceable battery pack (Meriam part no. Z9A820-X).

Temperature range

The ambient temperature range is -10 °C to +50 °C. The lower ambient is marked for functional, not safety, reasons.

**2. SAFETY PARAMETERS**

Intrinsically safe specifications:

Um : 5 V

Hart Terminals:

Ui : 30 V

Ii : 200 mA

Pi : 1.25 W

Li : 0 mH

Ci : 0 nF

Based on the following documentation: DEMKO 13 ATEX 1115457.

**3. INSTALLATION INSTRUCTIONS**

It is the manufacturer's responsibility to supply installation instructions with each unit offered for sale as required by IEC/SANS 60079-0 Clause 30.

**4. SPECIAL CONDITIONS FOR SAFE USE (denoted by X after certificate number)**

None.

**5. CONDITIONS OF CERTIFICATION**

- All production units must be covered by a QAN (Quality Assurance Notification), Product Mark Scheme or batch evaluation.

**6. MARKING**

The following (or similar) information have to be clearly and permanently marked on all units:

Supplier : Meriam Process Technologies  
 Manufacturer : Meriam Process Technologies  
 Equipment : HART Communicator  
 Model/Type : 5150X  
 Serial No. : ---  
 Ex Rating : Ex ia IIC T4 Ga  
 IA Certificate No : S-XPL/14.0305

*This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:*

- SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
  - Any conditions mentioned in the above report;
  - Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
  - Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
- v) A revision certificate replaces all previous version of the certificate.  
 vi) \* - Only covers equipment Imported between the "Issued" and "Expire" dates.  
 vii) If and when your QAN (Quality Assurance Notification) Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted the existing IA Certification will then be cancelled. It is thus the client's responsibility to always submit the updated and valid QAN certificate(s) to Explolabs (Pty) Ltd.

Responsible Testing Officer:



**D Maree**  
Senior Testing Officer

Reviewed by:



**H De Wet**  
Testing Officer

**EXPLOLABS EXPLOSION PREVENTION SERVICES**

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