




CERTIFICATE OF PLANT DESIGN REGISTRATION

Ref: OUT15/15847

**WORK HEALTH & SAFETY ACT 2011
WORK HEALTH & SAFETY REGULATION 2011¹**

Registration No: MDR 150361 GD-0v2 **Issue Date:** 2 March 2015
Registration holder: Austdac Pty Ltd., ACN: 002 654 695
Address: Unit 1, 4 Packard Avenue, CASTLE HILL NSW 2154
PO BOX 6486 BAULKHAM HILLS BC 2153
Plant type: Portable or hand-held plant or items used to determine or monitor the presence of gases for the purposes of the *Coal Mine Health and Safety Act 2002* and used in underground mines at a coal workplace.
Description of plant: Trolex Sentro 1 Multi Gas Monitor fitted with
1. Oxygen Sensor TX6350.01.25 or
2. Carbon Monoxide Sensor TX6350.01.250.50
Make: Trolex
Model: Sentro 1
Registration clause: Part 2 of the table to clause 107 of the Occupational Health and Safety Regulation 2001, 'Mining Specific Plant'

This registration has appended to it a schedule which forms part of the registration. All conditions of registration must be complied with for the registration to remain valid.


R. REGAN
Chief Inspector
(by delegation)

26.6.15

¹Note: Pursuant to clause 53 of Schedule 18B of the *Work Health and Safety Regulation 2011*; Division 3 of Part 5.2 and subclauses 136(5) and (6) of the *Occupational Health and Safety Regulation 2001* continue to apply as if it had not been repealed.

SCHEDULE – MDR 150361 GD-0v2

1 Detailed description

Troxlex Sentro 1 Fixed Multi gas Monitor fitted with

- Oxygen Sensor TX6350.01.25 or
- Carbon Monoxide Sensor TX6350.01.250.50

1.1 Information for use:

2 Assessment Criteria

Performance criteria specified in the NSW Government Gazette No 37 of 16 September 2011, page 5524 *Requirements for design registration for gas detection and monitoring plant and items*

3 Registration Documents

The documents listed must be supplied to any person to whom the gas detector is supplied

| DOCUMENT No. | ISSUE | DATE | TITLE |
|--------------------|-------|------------|---------------------------|
| TX6351/2-UM-EN-09 | 09 | 20/01/2015 | TX6351 TX6352 User Manual |
| IECEX ITA 14.0006X | 01 | 18/12/2014 | Certificate of Conformity |
| IECEX ITA 13.0023X | 00 | 30/01/2014 | Certificate of Conformity |

4 Conditions of registration

- 4.1 The Chief Inspector may vary or revoke this registration at any time.
- 4.2 The plant must comply with General Conditions of Design Registration of 2 September 2013
- 4.3 New plant must not be manufactured or supplied to this design registration after 1 March 2020. This does not prevent ongoing use of existing plant supplied prior to this date.
- 4.4 Each monitor must be durably and legibly marked with MDR 150361 GD.
- 4.5 There must be no variation in design, construction, or performance in supplied plant from the samples tested by the Mine Safety Technology Centre and reported in test report no. T14-00339 unless design registration for the modification has been obtained.
- 4.6 Mine operators must be made aware that carbon monoxide sensors may give readings higher than actual in the presence of hydrogen. Carbon monoxide and hydrogen levels should be confirmed by independent methods such as infrared analysis and gas chromatography.
- 4.7 Any repair that may affect the instrument's explosion protection properties must be carried out by the manufacturer or at a service facility licensed for the purpose.
- 4.8 The oxygen sensor may take longer than 60 seconds to recover from pressure swings of +/-7 kPa
- 4.9 The oxygen sensor may read low in concentrations of carbon dioxide exceeding 5%
- 4.10 Period between calibrations must not exceed three (3) weeks.
- 4.11 Prior to being placed in service each gas monitor must be tested for accuracy and calibrated by a NATA accredited test authority and a NATA endorsed certificate supplied to the coal workplace .

 26.6.15

4.12 The instrument must be maintained in accordance with the current Australian Standard AS2290.3 Electrical equipment for coal mines – Maintenance and overhaul Part 3 Maintenance of gas detecting and monitoring equipment.

4.13 The gas monitor must be inspected, tested and operated in accordance with instructions.



R. REGAN
Chief Inspector
(by delegation)

26.6.15