IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx TSA 05.0015 issue No.:0

Certificate history:

Status: **Current**

Date of Issue: **2005-04-22** Page 1 of 3

Applicant: **Samson Controls Pty Ltd**
Units 13-15, 61-71 Beauchamp Road,
Matraville NSW 2036
Australia

Electrical Apparatus: **Electropneumatic i/p Converter Type 6116-5 Exd**
Optional accessory:

Type of Protection: **Ex d**

Marking: Ex d IIC
T6 (Tamb = 47 C)
T4 (Tamb = 60 C)

Approved for issue on behalf of the IECEx Certification Body: Ujen Singh

Position: Quality & Certification Manager

Signature:
(for printed version)

Date: 22-04-2005

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

TestSafe Australia
919 Londonderry Road
Londonderry NSW 2753
Australia

Test Safe AUSTRALIA

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Date of Issue: **2005-04-22** Issue No.: **0**

Manufacturer: **Samson AG Mep-und Regeltechnik**
Weismullerstr. 3,
D-60314 Frankfurt am Main
Germany

Additional Manufacturing location (s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

IECEx ATR:	File Reference:
AU/TS04.022	**2003/024922**

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

The Type 6116-5 Exd i/p Converter is designed to convert a dc current input signal into a proportional pneumatic pressure output signal.
The enclosure comprises of a robust aluminium alloy housing with a screwed lid to gain access to the enclosed components. The equipment is fitted with two stainless steel sintered flame arresters for comparative and pneumatic connection purposes and is provided with an O-ring seal on the screwed lid.
The enclosure is comprised of an Ex protected electronics and a pneumatic compartment which are segregated by two metallic sintered filters. The approximated internal free volume of the electronics compartment is 175 cm^3 and 220 cm^3 with and without the electronics respectively.
The media used for the pneumatic system are non-combustible gases and vapours. Oxygen and/or gases enriched with oxygen shall not be used.

CONDITIONS OF CERTIFICATION: NO

Drawing No.	Drawing Title	Issue/ Rev	Date (dd/mm/y
6116-5	i/p – Converter (EEx d)	1	11/01/2005
1050-0902-SWD	Sintered metal filter / Sintermetall–Filter	0.b	11/01/2005
1050-0321S	Anschlußstück, vst. (Connecting piece)	---	04/04/1996
1050-0404T	Watertight vent valve	---	07/04/1998
1050-0405T	Watertight vent valve	---	07/04/1998
1050-0454T	Filter disk	---	09/04/1998
1050-0900T	Schild (Prüfstellen-Original)	---	22/03/2005
ANZEx-6116 Exd E.doc (9 pages)	Model 6116-5 I/P Converter	---	Dec 2004
EB6116 EN (24 pages)	Mounting and operating instructions	---	March 200