

APPROVAL REPORT

MODEL 6116-3 I/P CONVERTER FOR HAZARDOUS (CLASSIFIED) LOCATIONS

Prepared For:

**Samson AG
Postfach 101901
D 6000 Frankfurt 1, GERMANY**

**J.I. 1W5A4.AE
(3615)
April 1, 1993**



Factory Mutual Research

1151 Boston-Providence Turnpike
P.O. Box 9102
Norwood, Massachusetts 02062



Factory Mutual Research

1151 Boston-Providence Turnpike
P.O. Box 9102
Norwood, Massachusetts 02062

1W5A4.AE
(3615)

April 1, 1993

MODEL 6116-3 I/P CONVERTER FOR HAZARDOUS (CLASSIFIED) LOCATIONS

from

Samson AG
Postfach 101901
D 6000 Frankfurt 1, GERMANY

I INTRODUCTION

1.1 Samson AG requested Factory Mutual Research Corporation (FMRC) Approval of their Model 6116-3 I/P Converter as explosionproof for Class I, Division 1, Groups B, C and D; dust-ignitionproof for Class II/III, Division 1, Groups E, F and G hazardous (classified) locations, indoors and outdoors (NEMA 3R).

1.2 The specific I/P Converter as described by this report will appear in the FMRC Approval Guide as follows:

XP/I/1/BCD; DIP/II,III/1/EFG

I/P Converter. Model 6116-31ab3cd.

- a = Input signal 1 or 2.
- b = Output signal 1, 2, 3, 4, 5, 6, 7 or 8.
- c = Pressure gauge 0 or 1.
- d = Direction of operation 0 or 1.