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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

***Mp88700, Mp88800, Mp88800R, Mp82700, Mp82800, Mp82800R. Temperature Transmitter.***

IS / I / 1 / ABCD / T6 Ta = 60°C; T5 Ta = 75°C; T4 Ta = 85°C - TA-005-2; Entity

IS / I / 0 / AEx ia IIC / T6 Ta = 60°C; T5 Ta = 75°C; T4 Ta = 85°C - TA-005-2; Entity

Entity Parameters:

Supply Input: Vmax = 30 V, Imax = 100 mA, Pmax = 750 mW, Ci = 0, Li = 0

Sensor Output: Voc = 7 V, Isc = 70 mA, Po = 123 mW, Ca = 5.7 µF (Mp88700, Mp82700),

Ca = 10.7 µF (all other models), La = 5.8 mH, Lo/Ro = 290 µH/Ω

*Special Condition of Use:*

1. *The transmitters shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.*

Equipment Ratings:

Intrinsically Safe for use in Class I, Division 1, Groups A, B, C and D; Class I, Zone 0, AEx ia IIC  
Hazardous (Classified) Locations in accordance with Entity requirements and Control Drawing TA-005-2.

Approved for:

S-Products B.V.  
Nijversheidscentrum 26  
2761 JP Zevenhuizen  
The Netherlands

This certifies that the equipment described has been found to comply with the following Factory Mutual Research Approval Standards and other documents:

Class 3600	1998
Class 3610	1999
Class 3810	1989

Original Approval Job Identification: 3008040      Approval Granted: May 21, 2002

Subsequent Revision Reports / Date Approval Amended

Factory Mutual Research Corporation

  
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David W. Styracula  
Technical Team Manager  
Approvals Division

6/24/02  
Date