

NOTES:

1. APPARATUS WHICH IS UNSPECIFIED EXCEPT THAT IT MUST NOT BE SUPPLIED FROM NOR CONTAIN IN NORMAL OR ABNORMAL CONDITIONS A SOURCE OF POTENTIAL WITH RESPECT TO EARTH IN EXCESS OF 250 VOLTS R.M.S. OR 250 VOLTS D.C.
2. THE ELECTRICAL CIRCUIT IN THE HAZARDOUS AREA MUST BE CAPABLE OF WITHSTANDING AN A.C. TEST VOLTAGE OF 500 VOLTS TO EARTH OR FRAME OF THE EQUIPMENT, FOR A PERIOD OF ONE MINUTE WITHOUT BREAKDOWN.
3. THE INSTALLATION MUST COMPLY WITH NATIONAL REQUIREMENTS (e.g. IN THE U.K. TO BS 5345: PART 4: 1977)
4. WIRING FOR CIRCUITS A,B,C....MAY BE ACHIEVED BY SEPARATE CABLES OR BY SEPARATE CIRCUITS WITHIN A TYPE A OR TYPE B MULTICORE CABLE (AS DEFINED IN CLAUSE 5.3 OF EN50 039) SUBJECT TO THE FOLLOWING:
  - a. THE CIRCUIT TO BE INDIVIDUALLY SCREENED WHEN USED WITHIN A TYPE A MULTICORE CABLE.
  - b. THE PEAK VOLTAGE OF ANY OTHER CIRCUIT WITHIN A TYPE B MULTICORE CABLE MUST NOT EXCEED 60 V.
5. THE SYSTEM MUST BE MARKED WITH A DURABLE LABEL. THE LABEL SHOULD APPEAR ON OR ADJACENT TO THE PRINCIPAL ITEM OF ELECTRICAL APPARATUS IN THE SYSTEM OR AT THE INTERFACE BETWEEN THE INTRINSICALLY SAFE AND NON-INTRINSICALLY SAFE CIRCUITS.

THE FOLLOWING ITEMS SHOULD BE INCLUDED IN THE SYSTEM LABEL:

- 1) BAS N° Ex 96D2246
- 2) EEx Ia IIC T4
- 3) "SYST"

6. THE CAPACITANCE AND INDUCTANCE OR INDUCTANCE TO RESISTANCE (L/R) RATIO OF THE LOAD CONNECTED TO EACH OF THE STD/TF PROBE TERMINALS 1 TO 9 MUST NOT EXCEED THE FOLLOWING VALUES:

GROUP	CAPACITANCE IN $\mu F$	INDUCTANCE OR L/R RATIO IN mH	INDUCTANCE OR L/R RATIO IN $\mu H/\Omega$
IIC	0.23	4.75	24.18
IIB	0.77	14.27	72.54
IIA	2.12	38	193.44

TABLE 1

THE CAPACITANCE AND INDUCTANCE OR INDUCTANCE TO RESISTANCE (L/R) RATIO OF THE LOAD CONNECTED TO EACH OF THE MIS PROBE TERMINALS 1 & 2 MUST NOT EXCEED THE FOLLOWING VALUES:

GROUP	CAPACITANCE IN $\mu F$	INDUCTANCE OR L/R RATIO IN mH	INDUCTANCE OR L/R RATIO IN $\mu H/\Omega$
IIC	0.74	2.3	82.53
IIB	7.34	6.9	247.59
IIA	24.34	18.4	660.24

TABLE 2

THE CAPACITANCE AND INDUCTANCE OR INDUCTANCE TO RESISTANCE (L/R) RATIO OF THE LOAD CONNECTED TO EACH OF THE OXYGEN TERMINALS 1 TO 5 MUST NOT EXCEED THE FOLLOWING VALUES:

GROUP	CAPACITANCE IN $\mu F$	INDUCTANCE OR L/R RATIO IN mH	INDUCTANCE OR L/R RATIO IN $\mu H/\Omega$
IIC	22	6.6	316
IIB	66	19.8	948
IIA	176	52.8	2,528

TABLE 3

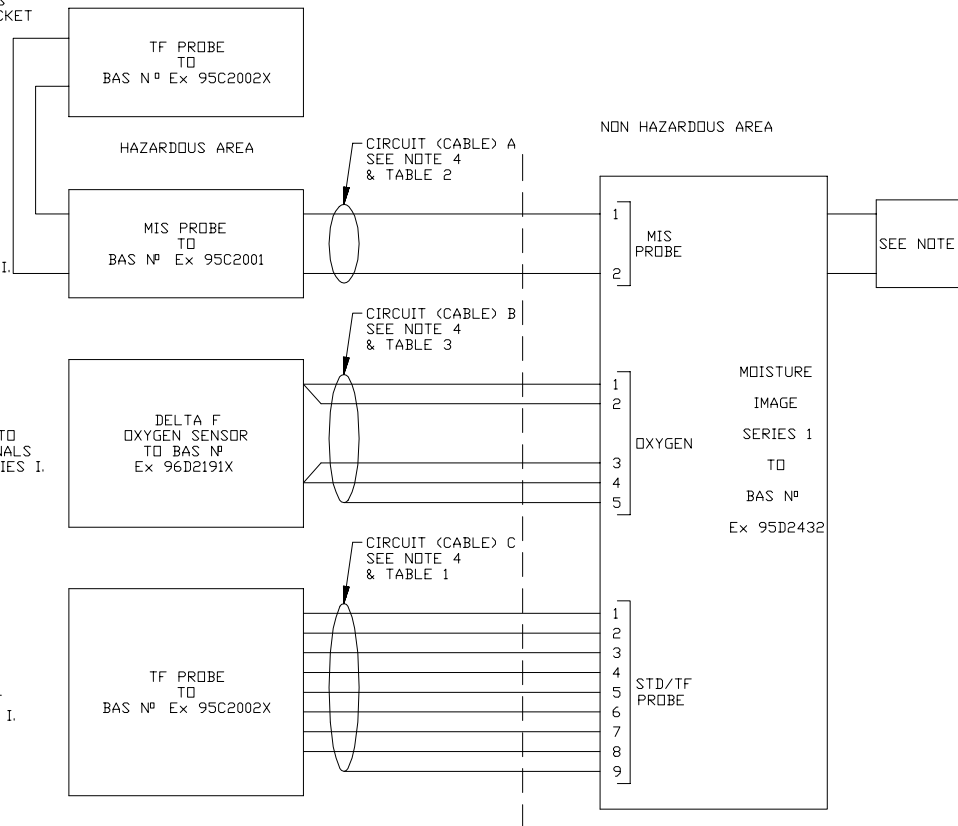
A SINGLE TF PROBE  
MAY BE CONNECTED  
TO EACH OF THE MIS  
PROBE'S 13 WAY SOCKET

A SINGLE MIS PROBE MAY BE  
CONNECTED TO EACH OF THE  
6 MIS PROBE TERMINALS OF  
THE MOISTURE IMAGE SERIES I.

A SINGLE DELTA F OXYGEN  
SENSOR MAY BE CONNECTED TO  
EACH OF THE OXYGEN TERMINALS  
OF THE MOISTURE IMAGE SERIES I.

A SINGLE TF PROBE MAY BE  
CONNECTED TO EACH OF THE  
STD/TF PROBE TERMINALS OF  
THE MOISTURE IMAGE SERIES I.

REVISIONS					
REV	ECO	DESCRIPTIONS	DWN	CKD	APVD
A	"	RELEASE TO ECO CONTROL	WPM 6/20/96	MS 6/24/96	TK 6/24/96
B	02234	REVISED PER ECO	EAM 7/23/96		



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONS DECIMALS ANGLES $\pm$ " .XX $\pm$ " .XXX $\pm$ "		<b>PANAMETRICS</b> WALTHAM, MASS. 02154-3497	
DRAWN WPM 6/20/96		ENGINEER TK 6/24/96	
CHECKED MS 6/24/96		SIZE C	
B 02234 A "		DRAWING NUMBER 752-065	
REV ECO		DO NOT SCALE DWG	
MODEL NO. MIS1		SHEET 1 OF 1	