

HAZARDOUS (CLASSIFIED) LOCATION  
NI/I/2/ABCD/ T6  
S/II/2/FG/ T6  
S/III/2/ T6

NON HAZARDOUS LOCATION

LOAD CELL NONINCENDIVE  
FIELD WIRING PARAMETERS

$V_{max} = 25V$   
 $I_{max} = 600mA$   
 $C_i = 0$  (See Note 4)  
 $L_i = 29\mu H$

ASSOCIATED FM APPROVED NONINCENDIVE  
FIELD WIRING APPARATUS

WITH NIFW PARAMETERS (SEE NOTE 7)

$V_{oc} \leq 25V$   
 $I_{sc} \leq 600mA$   
 $C_a \geq C_i + C_c$  (See Note 5)  
 $L_a \geq L_i + L_c$  (See Note 5)

SCALE STRUCTURE TO BE CONNECTED TO  
SYSTEM SAFETY GROUND (See Note 2)

HAZARDOUS (CLASSIFIED) LOCATION  
NI/I/2/ABCD/T6  
S/II/2/FG/T6  
S/III/2/T6

LOAD CELL NONINCENDIVE  
FIELD WIRING PARAMETERS

$V_{max} = 25V$   
 $I_{max} = 600mA$   
 $C_i = 0$  (See Note 4)  
 $L_i = 29\mu H$

FM APPROVED NONINCENDIVE FIELD WIRING  
APPARATUS WITH NIFW PARAMETERS

(SEE NOTE 7)

$V_{oc} \leq 25V$   
 $I_{sc} \leq 600mA$   
 $C_a \geq C_i + C_c$  (See Note 5)  
 $L_a \geq L_i + L_c$  (See Note 5)

SCALE STRUCTURE TO BE CONNECTED TO  
SYSTEM SAFETY GROUND (See Note 2)

NOTES:

- THIS DRAWING APPLIES TO LOAD CELL MODELS: 0745A
- THE RESISTANCE BETWEEN ALL SAFETY GROUND CONNECTIONS AND THE SYSTEM GROUNDING ELECTRODE MUST NOT EXCEED 1 OHM;
- INSTALLATION SHALL BE IN ACCORDANCE WITH ANSI/NFPA 70 ARTICLES,500-503,AND ANSI/ISA-12.12.01
- NIFW PARAMETERS C<sub>i</sub> AND L<sub>i</sub> INCLUDE MAXIMUM INTEGRAL LOAD CELL CABLE LENGTH OF 30m;
- CABLE ENTITY PARAMETERS FOR EXTENSION CABLE LONGER THAN 30m INTEGRAL CABLE:

EXTENSION CABLE LENGTH (m)	3	5	8	12	30	Per m
	Cc (nF)	0.6	1	1.6	2.4	0.2
MAXIMUM VALUE	Lc (μH)	3	5	8	12	30

- MANUFACTURER'S CONTROL DRAWING OF FM APPROVED APPARATUS / ASSOCIATED APPARATUS MUST BE FOLLOWED WHEN INSTALLING THIS EQUIPMENT.
- UL APPROVED METTLER-TOLEDO INDICATORS IND560, IND560xx, IND780 OR FM APPROVED NIFW APPARATUS OR ASSOCIATED FIELD WIRING APPARATUS WITH ABOVE PARAMETERS
- THIS DRAWING SHALL NOT BE REVISED WITHOUT PRIOR APPROVAL FROM FM.

RECORD OF CHANGES				DESCRIPTION				DATE			
NO.				REV.	BY	APPROV.	AGENCY	E.R. NO.			
0	Released			YL	YZH					06/09	
1	NOTE 1) CHANGE 0745Aabc000 to 0745Aabc0000				WM	YZH		69848		06/10	
2	Update Certificate Model				XJ	DF		71865		06/13	

Drawing

METTLER TOLEDO  
MTCN / MTCT / MTCZ

Control drawing,FM,0745A ADV

42111392B

批准/Appro Mark
<input type="radio"/> Metrology
<input type="radio"/> Safety
<input checked="" type="radio"/> Ex