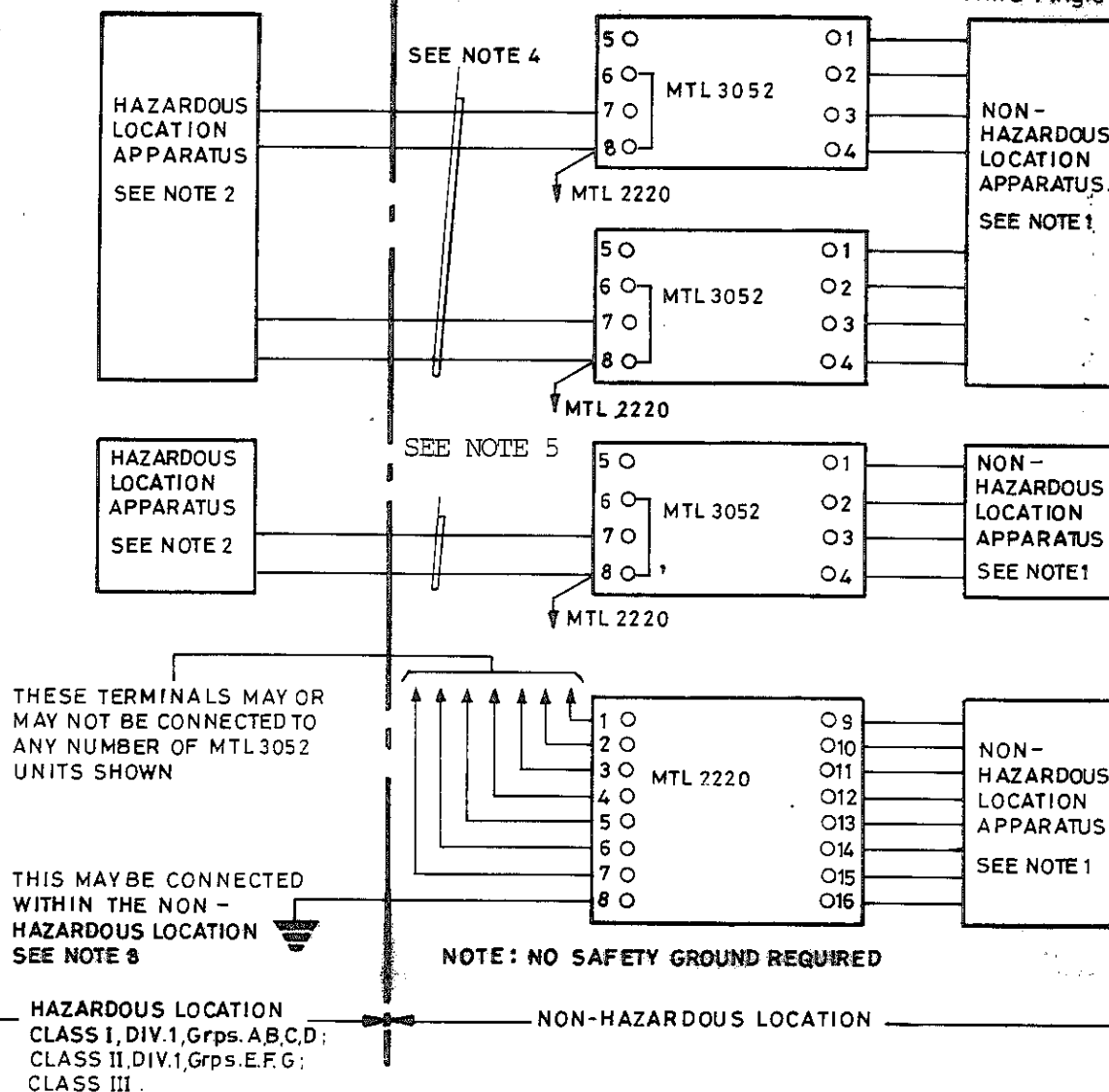


Iss.	Date/Drawn	Modification	Chk
1	10.89/ACW		
2	5.90/ACW	Revised Issue	
4	10.90/ACW	See Sheet 2	

Dimensions in mm

Do not Scale

Third Angle Projection



Note 1 Non-Hazardous Location Apparatus - unspecified except that it must not be supplied from nor contain under normal or abnormal conditions a source of potential with respect to ground in excess of 250V rms or 250V dc.

Note 2 Hazardous Location Apparatus - switches, thermocouples and non-inductive resistive devices or CSA Certified apparatus, when connected in accordance with the manufacturers' installation instructions.

Note 3 When the MTL 2220 is used or there is a ground connection, then the circuit in the hazardous location must be capable of withstanding a test voltage of 500 volts rms with respect to ground or frame of the apparatus for a period of one minute without breakdown (dc resistance and impedance at 60Hz shall not be less than 100K Ω). Otherwise there is no need for this requirement.

**UNCONTROLLED
COPY**

Certifying Authority: CSA

Scale N/A

Tolerance unless otherwise stated \pm

Sheet 1 of 2

Title Installation for the MTL 3052

Drg. No. SCI-233

MEASUREMENT TECHNOLOGY LTD. Luton, England. Copyright Reserved - Written Permission to Copy Should be Obtained		<div style="display: flex; justify-content: space-between;"> <div>Dimensions in mm</div> <div>Do not Scale</div> <div>Third Angle Projection</div> </div> <p><u>Note 4</u> The parameters of cables must comply with the recommended values given in Section F6, Appendix F, Canadian Electrical Code, Part 1, unless the MTL 2220 is used, in which case the following parameters apply:-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Group</th> <th>Capacitance</th> <th>Inductance</th> <th>or</th> <th>L/R Ratio</th> </tr> </thead> <tbody> <tr> <td>A + B</td> <td>0.07 μF</td> <td>1.3 mH</td> <td></td> <td>43.3 μH/\sqrt{L}</td> </tr> <tr> <td>C</td> <td>0.21 μF</td> <td>3.9 mH</td> <td></td> <td>129.9 μH/\sqrt{L}</td> </tr> <tr> <td>D</td> <td>0.56 μF</td> <td>10.4 mH</td> <td></td> <td>346.4 μH/\sqrt{L}</td> </tr> </tbody> </table> <p><u>Note 5</u> The parameters of cables must comply with the recommended values given in Section F6, Appendix F, Canadian Electrical Code, Part 1, unless the MTL 2220 is used, in which case the following parameters apply:-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Group</th> <th>Capacitance</th> <th>Inductance</th> <th>or</th> <th>L/R Ratio</th> </tr> </thead> <tbody> <tr> <td>A + B</td> <td>0.26 μF</td> <td>5.2 mH</td> <td></td> <td>109 μH/\sqrt{L}</td> </tr> <tr> <td>C</td> <td>0.78 μF</td> <td>15.6 mH</td> <td></td> <td>327 μH/\sqrt{L}</td> </tr> <tr> <td>D</td> <td>2.08 μF</td> <td>41.6 mH</td> <td></td> <td>872 μH/\sqrt{L}</td> </tr> </tbody> </table> <p><u>Note 6</u> Where the hazardous location cable is part of a multicore, it must comply with the requirements of Section F6, Appendix F of the Canadian Electrical Code, Part 1.</p> <p><u>Note 7</u> The installation must comply with national requirements (eg. in Canada the Canadian electrical Code, Part 1).</p> <p><u>Note 8</u> When the connection is made in the hazardous location, the cable from terminal 8 of the MTL 2220 must be installed so as to minimise the risk of invasion by any currents or voltages. The ground connection must meet the requirements of Section F2.5 of the Canadian Electrical Code, Part 1, and generally comply with the grounding conductor requirements of Section F3.2.2.</p> <p><u>Note 9</u> For intrinsic safety, terminals 5 & 6 of the MTL 3052 are considered to be a source of power with a maximum open circuit voltage of 15V, minimum output resistance 100 ohms and maximum short circuit current 150mA. Terminals 7 & 8 are considered to be a source of power with a maximum open circuit voltage of 15V, minimum output resistance 180 ohms and maximum short circuit current 83.3mA.</p> <p>Terminals 5 & 6 and terminals 7 & 8 are not used simultaneously.</p> <p><u>Note 10</u> <u>WARNING</u> Substitution of components may impair intrinsic safety.</p> <p style="text-align: center;"><u>AVERTISSEMENT</u> La substitution de composants peut compromettre la sécurité intrinsèque.</p> <div style="text-align: center; border: 2px solid black; padding: 10px; margin: 10px 0;"> <h1 style="margin: 0;">UNCONTROLLED</h1> <h2 style="margin: 0;">COPY</h2> </div>		Group	Capacitance	Inductance	or	L/R Ratio	A + B	0.07 μ F	1.3 mH		43.3 μ H/ \sqrt{L}	C	0.21 μ F	3.9 mH		129.9 μ H/ \sqrt{L}	D	0.56 μ F	10.4 mH		346.4 μ H/ \sqrt{L}	Group	Capacitance	Inductance	or	L/R Ratio	A + B	0.26 μ F	5.2 mH		109 μ H/ \sqrt{L}	C	0.78 μ F	15.6 mH		327 μ H/ \sqrt{L}	D	2.08 μ F	41.6 mH		872 μ H/ \sqrt{L}
Group	Capacitance	Inductance	or	L/R Ratio																																							
A + B	0.07 μ F	1.3 mH		43.3 μ H/ \sqrt{L}																																							
C	0.21 μ F	3.9 mH		129.9 μ H/ \sqrt{L}																																							
D	0.56 μ F	10.4 mH		346.4 μ H/ \sqrt{L}																																							
Group	Capacitance	Inductance	or	L/R Ratio																																							
A + B	0.26 μ F	5.2 mH		109 μ H/ \sqrt{L}																																							
C	0.78 μ F	15.6 mH		327 μ H/ \sqrt{L}																																							
D	2.08 μ F	41.6 mH		872 μ H/ \sqrt{L}																																							
Iss.	Date/Drawn	Used on	Scale																																								
1	10.89/ACW	Certifying Authority : CSA	N/A																																								
2	5.90/ACW		Tolerance unless otherwise stated \pm																																								
3	7.90/ACW		Sheet 2 of 2																																								
		Title	Drg. No.																																								
		Installation for the MTL 3052	SCI-233																																								