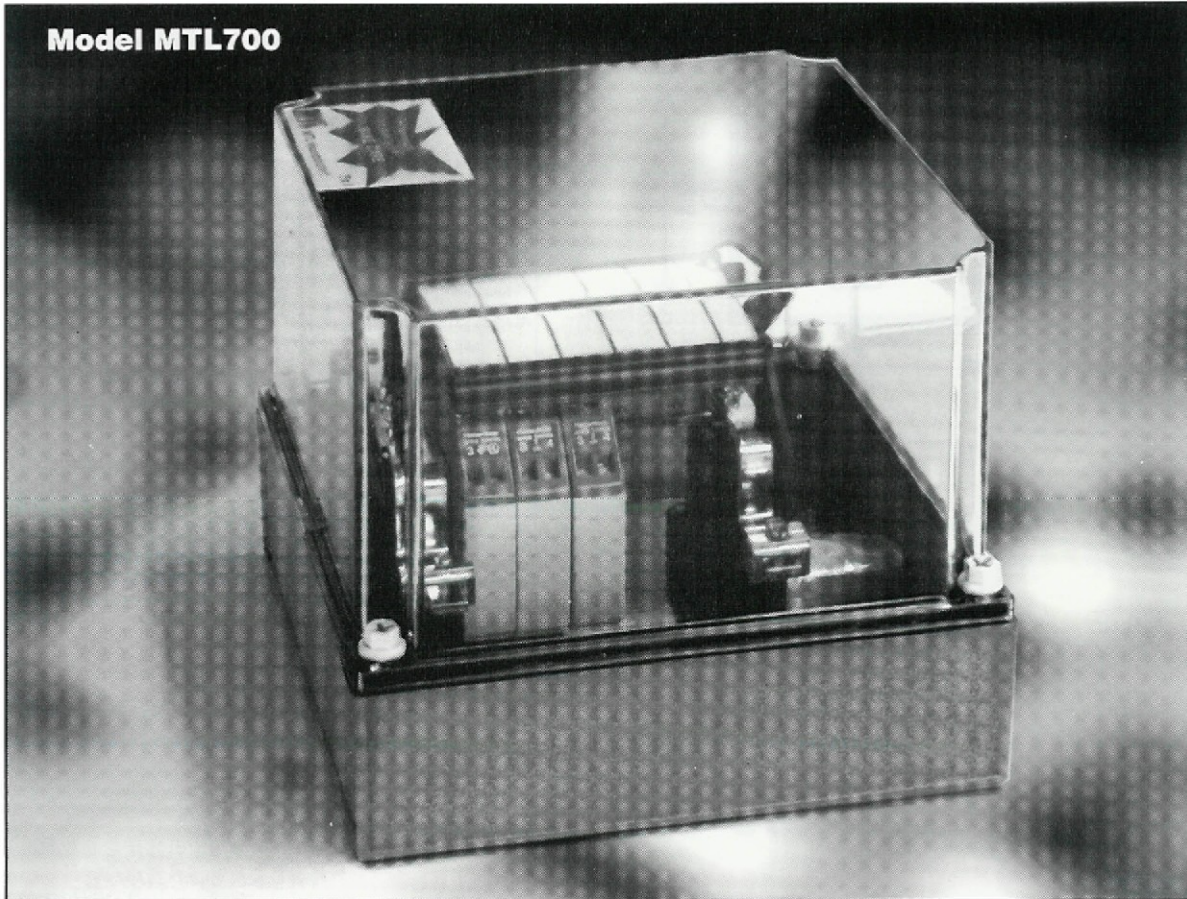


INTRINSIC SAFETY BARRIER

Model MTL700



Intrinsic Safety Barriers Ensure Safe Measurement and Control in Hazardous Areas.

- ✓ ***Electronic protection prevents blown fuses.***
- ✓ ***Approved by Factory Mutual.***
- ✓ ***Use with up to 4 load cells.***
- ✓ ***Certified to worldwide standards.***
- ✓ ***Protected inside an impact-resistant polycarbonate case.***



Totalcomp[®] Scales & Components

SPECIFICATIONS

Model MTL Enclosure and Barriers

PART NUMBER	LOAD CELL EXCITATION
MTL-4 Std Configuration	-6 to +6 VDC
MTL-4 Optional Configuration	0 to +12 VDC

INTRINSIC SAFETY BARRIERS

Shunt-diode safety barriers - safe measurement and control in hazardous areas.

MTL Series shunt-diode safety barriers are 1 or 2 channel devices which pass an electrical signal in either direction without shunting it, but limits the transfer of energy to a level that cannot ignite explosive atmospheres. They protect hazardous wiring and equipment against faults occurring in the safe area, and enable a wide range of operations to be carried out simply and inexpensively by intrinsically safe techniques.

Ambient Temp. and humidity limits

-20°C to +60°C continuous working
40°C to +80°C storage
5 - 95% Relative Humidity

Leakage Current

For 'basic' barriers with a working voltage of 5V or more, the leakage current decreases by at least one decade per volt reduction in applied voltage below the working voltage, over two decades.

Terminations

Terminals accommodate conductors up to 4mm² (12AWG) Hazardous-area terminals are identified by blue labels.

EMC compliance

Contact your Totalcomp representative for complete information on EMC compliance.

Weight

4 lbs. (approx.)

Mounting and grounding of barriers

Barriers are properly mounted using two integral M4 x 9 tin-lead plated steel fixing studs and stainless steel self-locking nuts (provided).

TOTALCOMP LIMITED WARRANTY

Totalcomp warrants this products to be free of defects in materials and/or workmanship and suitable for the purpose(s) intended as outlined on this sheet. This warranty is effective and shall cover the purchaser for one year from the date of shipment from our plant. If this product is found to be defective by our inspection in accordance with the above listed criteria, we will replace or repair it at our expense. For warranty service, please obtain a return authorization number from us and return the item, shipping prepaid, with a written description of the problem. We will respond promptly with the results of our evaluation.



Totalcomp®

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