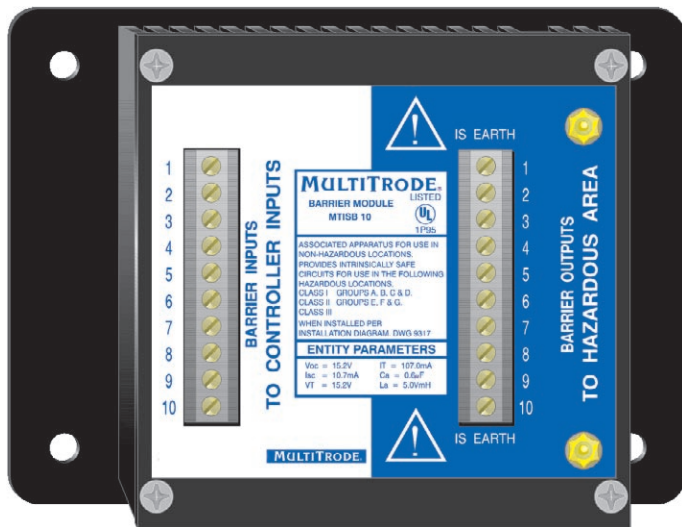


MTISB - Intrinsically Safe Barrier

The MTISB Intrinsically Safe Barrier is certified intrinsically safe for operation in hazardous applications.



Use with all MultiTrobe equipment installations up to and including Class 1 Zone 0.

- Makes specified MultiTrobe products intrinsically safe
- Compatible with all MultiTrobe products
- Easily installed as an aftermarket upgrade

The MTISB is a 5 or 10 channel Barrier unit for use with the MultiTrobe probes and control equipment. It will eliminate any risk of dangerous energy entering the explosive environment where the level probe is located. It is approved for use in sewerage pump stations, digesters, mining and most other hazardous installations.

Connection is made from the controller through the barrier to the MultiTrobe probe located in the hazardous area. It is used to prevent any flash or spark-inducing energy from entering a hazardous area, that could lead to an explosion.

The MTISB is a certified Intrinsically Safe Barrier for use with MultiTrobe equipment in installations up to and including Class 1, Zone 0.

Available Models

MTISB5 5 Channel
MTISB10 10 Channel

Ordering Information & Examples

Model **MTISB** **10**

This order code is for a 10 sensor MTISB

Specifications

Protection Certifications:

Australian & New Zealand	Ex ia IIC T6 IP20B Ex 2018X to AS 2380.1 & AS 2380.7
USA & Canadian	UL Listing 1P95 Class I Groups A, B, C & D. Class II Groups E, F & G. Class III

Installation & Apparatus Entity Values:

Australia & New Zealand	MTISB-5	MTISB-10
Allowed capacitance	0.7uF	0.7uF
Allowed inductance	12mH	3.3mH
Allowed resistance per inductance	101uH/R	48uH/R

USA/Canada	MTISB-5	MTISB-10
Allowed System Voltage [VT]	15.2v	15.2v
Max Short circuit current [IT]	10.7mA	10.7mA
Allowed capacitance	0.6uF	0.6uF
Allowed inductance	20mH	5mH
Internal resistance	1500 Ohms . nom per/ch	
Barrier clamp voltage	22.8V.	

Other Connections:

Intrinsically Safe Earth	2x Brass studs Thread M4
Terminal size	4mm ² , #12 Wire

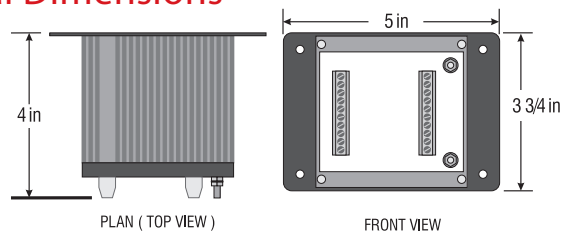
Physical Product:

Dimensions mm	95H x 130W x 102D
Mounting	4 x M4 Screws #6
Enclosure	Extruded aluminium

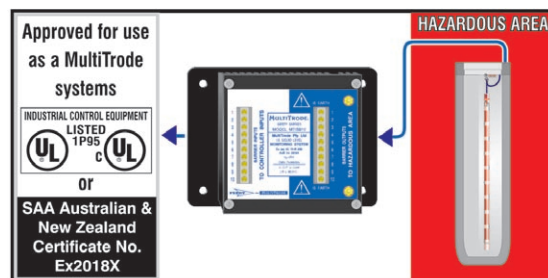
Environmental Range:

- 10 to +60C	+14 to +140F
--------------	--------------

Physical Dimensions



Sample Application



MULTITRODE

www.multitrode.com

MultiTrobe Pty Ltd · Australia

Brisbane Technology Park 18 Brandl Street
PO Box 4633 Eight Mile Plains Qld 4113
Tel: +61 7 3340 7000 Fax: +61 7 3340 7077
sales@multitrode.com.au

MultiTrobe Inc · USA

6560 East Rogers Circle
Boca Raton Florida 33487
Tel: +1 561 994 8090 Fax: +1 561 994 6282
sales@multitrode.net