

RINSTRUM 2101Ex

INTRINSICALLY-SAFE REMOTE DISPLAY

HIGHLIGHTS

- Intrinsically Safe Ex ib IIB T5
- Only 23mm Deep
- Very High Visibility
- Large 27mm Alpha LCD Digits
- Super Bright LED Back-Lighting

FEATURES

The 2101Ex is approved for use in hazardous areas and fully complies with these standards:

- IEC60079.0:1998
- IEC60079.11:1999

The Hazardous Area rating is Ex ib IIB T5.

The remote display has been modified internally to ensure it can not generate enough energy to create a spark for the above rating.

The approval allows for the 2101Ex to be installed inside the hazardous area with the 2100Ex indicator. This remote display does not need to be installed in a safe area!

If the 2101Ex is installed in the Hazardous Area and connected to a Ranger indicator installed in the Safe Area, then an approved serial isolation barrier needs to be fitted to the serial lines.

The 2101Ex is fitted with a single RS-232 communications "input only" port that accepts Rinstrum serial strings. It will mimic exactly the display of the Rinstrum 2100 including all annunciators. It will also accept weight readings from these Rinstrum indicators:

- Rinstrum 2100
- Rinstrum 2150
- Rinstrum 5000
- Rinstrum 5100
- Most Other Rinstrum Indicators



Power connections are critical. The 2101Ex requires 12VDC power and is fitted with special power input connectors that can only be plugged in to these Ex approved power supplies:

- 0334 Ex Battery Pack with Safe Area Charger
- 0335 Ex Power Supply - 240VAC to 12VDC

The 2101Ex complies with NMI requirements S1/0/A for use in trade applications.

It is not possible to modify a standard 2101 for use as an Ex unit – this can only be done during manufacture. There are special Ex seals fitted to the housing which must not be broken or else the Ex approval will be void.

The large 27mm LCD is exceptionally easy to read under most conditions, but the LED backlighting, as fitted to the standard 2100/2101, has been removed to achieve the Ex approval.

The housing is a sturdy aluminium extrusion suitable for panel mounting and there are optional desk and wall mounting brackets available.

SPECIFICATIONS

PERFORMANCE		
Display	LCD with Six 27mm-High Digits - No Backlighting	
SERIAL COMMS		
Serial Input	Single RS-232 Receive	
Type	Rinstrum Serial Strings Only	
POWER INPUT		
Approved Supplies	0334	Ex Safe Battery Pack and Charger FBP1000 (Charger Must be Used in Safe Area)
	0335	Ex Safe Power Pack, 240VAC, PSE150
DIMENSIONS		
Body Size	189mm (L) x 99mm (H) x 23mm (D)	
Panel Cutout	Flush Mounted with Cable Holes Drilled Separately (Template Provided)	
FEATURES		
Approvals	C-Tick (N2708)	
Hardware	0333 Stainless Steel Desk/Wall Bracket	

Accuweigh Pty Ltd

WESTERN AUSTRALIA (HEAD OFFICE):
PHONE: (08) 9259 5535

SOUTH AUSTRALIA OFFICE:
PHONE: (08) 8447 5011

NEW SOUTH WALES (SYDNEY) OFFICE:
PHONE: (02) 9728 4877



www.accuweigh.com.au

VICTORIA OFFICE:
PHONE: (03) 9548 5554

NEW SOUTH WALES (NEWCASTLE) OFFICE:
PHONE: (02) 4966 8900

QUEENSLAND OFFICE:
PHONE: (07) 3265 5520