

Intrinsically safe power for the IND256x Terminal



Global approvals support local compliance

Intrinsic safety guaranteed through compliance with globally recognized standards and directives. Supports compliance to applicable regulations in your region of the world.



Tamper-proof design

Protects integrity of critical components and prevents installation safety from being compromised.



Continuous operation

120 V and 240 V versions can be installed directly into most Division 1, Zone 1 and Zone 21 areas, providing continuous AC power to your operation.



APS500 and APS501 Power Supplies

The APS500 and APS501 provide intrinsically safe power to an IND256x installed in a hazardous area, making expensive barriers or additional protection unnecessary. Featuring a tamper-proof design and integral mounting brackets, these power options enhance the flexibility of the IND256x hazardous area solution.

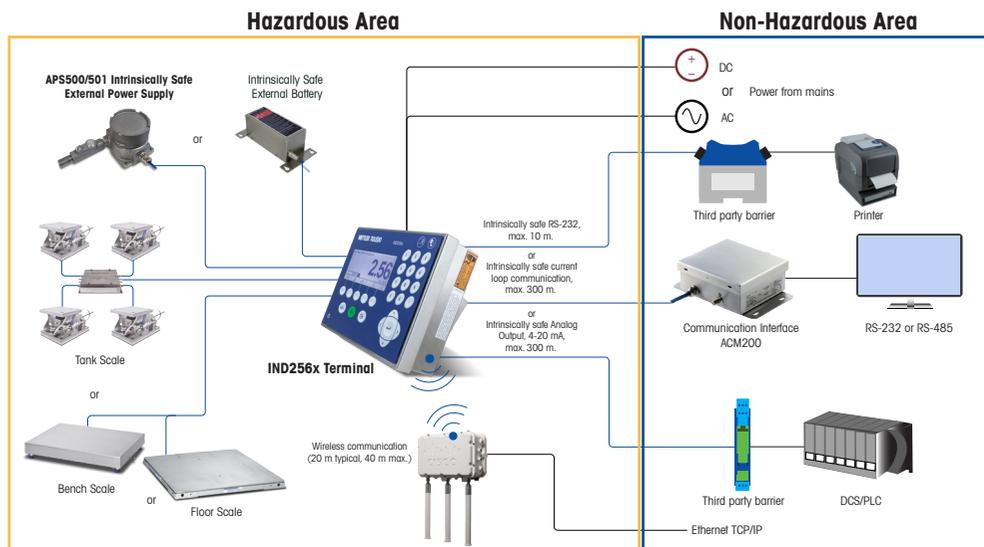
Technical data

Safe power for the IND256x

APS500 and APS501 Intrinsically Safe Power Supplies

Features and Benefits

- Available in both 120 VAC (APS500) and 240 VAC (APS501) models
- Allows for installation of an AC power source in many Division 1, Zone 1 and Zone 21 classified hazardous areas, without the need for costly barriers or additional protections
- A continuous power supply eliminates the need to replace and charge batteries commonly used in hazardous areas
- Tamper-proof assembly utilizes encapsulation to protect ongoing safety of installation
- Power supplies include assembled cable for connection to the terminal, and integral mounting tabs, making installation more efficient



Enclosure Dimensions (L x W x H)	70 x 120 x 110 mm (6.7 x 4.7 x 4.3 in.)								
Shipping Weight	3.2 kg (7.1 lbs) approximate gross weight								
Enclosure Construction/ Environmental Protection	Copper-free aluminum casing with nickel plated fittings Explosion rated Type 4x and IP66 protection								
Operating Environment	10°C to 40°C (14°F to 104°F) at 10% to 95% relative humidity, non-condensing								
Input Power	APS500: Operates from 85 to 132 VAC, 49-61 Hz @ 200mA APS501: Operates from 168 to 250 VAC, 49-61 Hz @ 100mA								
Output Power	Output voltage: 10 VDC up to 485 mA continuous current								
Connectivity to Terminal	3 m. (10 ft.) integral cable included Possible extension to 48m (157 ft.) maximum								
Hazardous Approvals	<table border="0"> <tr> <td>FM - US</td> <td>Class I,II,III Division I, Groups B, C, D, E, F, G T6 AIS for Class I,II,III Division I, Groups A, B, C, D, E, F, G -10°C ≤ Ta ≤ +40°C</td> </tr> <tr> <td>FM - Canada</td> <td>Class I,II,III Division I, Groups B, C, D, E, F, G T6 AIS for Class I,II,III Division I, Groups A, B, C, D, E, F, G -10°C ≤ Ta ≤ +40°C</td> </tr> <tr> <td>ATEX</td> <td>Zone 1 - II 2 G Ex eb mb [ib Gb] IIC T5 Gb Zone 21 - II 2 D Ex tb IIIC T64°C Db -10°C ≤ Ta ≤ +40°C</td> </tr> <tr> <td>IECEX</td> <td>Zone 1 - Ex eb mb [ib Gb] IIC T5 Gb Zone 21 - Ex tb IIIC T64°C Db -10°C ≤ Ta ≤ +40°C</td> </tr> </table>	FM - US	Class I,II,III Division I, Groups B, C, D, E, F, G T6 AIS for Class I,II,III Division I, Groups A, B, C, D, E, F, G -10°C ≤ Ta ≤ +40°C	FM - Canada	Class I,II,III Division I, Groups B, C, D, E, F, G T6 AIS for Class I,II,III Division I, Groups A, B, C, D, E, F, G -10°C ≤ Ta ≤ +40°C	ATEX	Zone 1 - II 2 G Ex eb mb [ib Gb] IIC T5 Gb Zone 21 - II 2 D Ex tb IIIC T64°C Db -10°C ≤ Ta ≤ +40°C	IECEX	Zone 1 - Ex eb mb [ib Gb] IIC T5 Gb Zone 21 - Ex tb IIIC T64°C Db -10°C ≤ Ta ≤ +40°C
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FM - Canada	FM19CA0021								
ATEX	FM19ATEX0017								
IECEX	IECEX FMG 12.0027								
Part Numbers	APS500: 64056319 APS501: 64058025								

Quality certificate ISO9001
Environment certificate ISO14001
Internet: <http://www.mt.com>
Worldwide service

Subject to technical changes
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