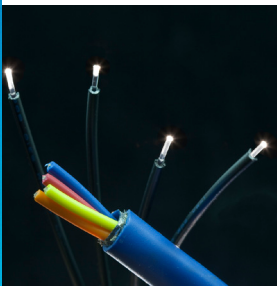


## Maximize the potential of the IND560x with the ACM500



### Globally recognized approvals

certify the ACM500 as a safe area accessory for the IND560x, making it available for use worldwide.



### Safe connection

over fiber optic or intrinsically safe current loop to the IND560x in the hazardous area, allows for fast, bi-directional communication without the need for additional signal barriers.



### Flexible connectivity

including Ethernet and additional serial interfaces. Numerous PLC interfaces are available, allowing integration of hazardous area applications into larger facility management systems.



### Industrial housing

is constructed of stainless steel and certified IP66. The housing will withstand harsh environments, and includes integrated mounting brackets to simplify installation.



### ACM500 Communication Module

The ACM500 accessory communication module exists to expand the capabilities and connectivity of the IND560x industrial terminal.

The ACM500 is designed for installation only within the safe area. The module provides a safe communication link between the IND560x terminal in the hazardous area and safe area peripheral devices such as PLCs, PCs, printers or another METTLER TOLEDO terminal. It can be equipped with one of a variety of PLC interfaces, and also provides expanded serial communication and Ethernet connectivity.

Technical data

## ACM500 Safe Area Communication Module

Industrial weighing solutions for hazardous areas

### ACM500 Features and Benefits

- Choose to communicate via an intrinsically safe current loop connection or fiber optics. Both interfaces offer two dual-channel communication ports
- Scalable to application need – Ethernet TCP/IP option includes two additional serial ports. Multiple PLC connectivity options available
- Ethernet and serial connections support these standard protocols:

	Serial	Ethernet
Demand Printing	x	x
METTLER TOLEDO continuous	x	x
Continuous Template	x	x
Report Printing	x	x
Remote I/O	x	
Remote Display	x	
ASCII Input	x	
CPTZ Printing	x	
SICS	x	
Totals Report Printing	x	x
EPrint Outputs		x

- PLC interfaces offer direct communication to a variety of control systems, providing a high level of real-time information and control options
- Common accessories – Ethernet/Serial and PLC interface available for use with ACM500 are the same interfaces used with the IND560
- Interfaces installed in the ACM500 are configured from within the user-friendly setup menu of the IND560x
- Potential ACM500 configurations:

	Interface slot [choose 1]	Expansion slot 1	Expansion slot 2 [choose 1]
Intrinsically safe current loop	x		
Fiber optic	x		
Ethernet TCP/IP, COM2/COM3 Serial		x	
A-B RIO®			x
PROFIBUS® DP			x
DeviceNet™			x
Analog output			x
EtherNet/IP™			x
Modbus TCP			x

**Enclosure Dimensions (H x W x D)** 210 x 265 x 106 mm (8.3 x 10.4 x 4.2 in.)

**Overall footprint (Y x Z)** Includes integrated mounting brackets: 320 x 217 mm (12.6 x 8.5 in.)

**Shipping weight** 5.5 kg (11.2 lb) approximate gross

**Enclosure construction/  
environmental protection** Stainless steel enclosure, certified IP66

**Operating environment** 10° to 40° C (14° to 104° F) at 10% to 95% relative humidity, noncondensing

**Power** Operates at 100-240 VAC, 50/60 Hz, 250 mA  
Integrated universal power supply; includes cord for country of use

**Connection to terminal** Maximum distance from the IND560x terminal: 300m (1000 ft)  
Maximum 115k baud communication rate between ACM500 and IND560x

**Discrete I/O options** Communicate with up to three ARM100 remote I/O modules through optional COM3 serial port  
Will communicate with 2 ARM100s if the IND560x is utilizing an internal, hazardous area I/O option  
The IND560x in conjunction with the ACM500 can manage a maximum of 12 inputs and 18 outputs

**Ex approvals** US & Canada: AIS / I, II, III / 1 / ABCDEFG; Entity; IP66  
Control drawing 72191600  
AIS = Associated apparatus with intrinsically safe connection  
Europe: BVS\_08\_ATEX\_E\_100  
With current loop (CL) interface  
II (2) G [Ex ib] IIC  
II (2) D [Ex ibD]  
With fiber optic (FO) interface  
II (2) GD [Ex op is] IIC

## Hazardous Area

IND560x



## Safe Area

ACM500



Fiber optic or  
Current Loop

PLC

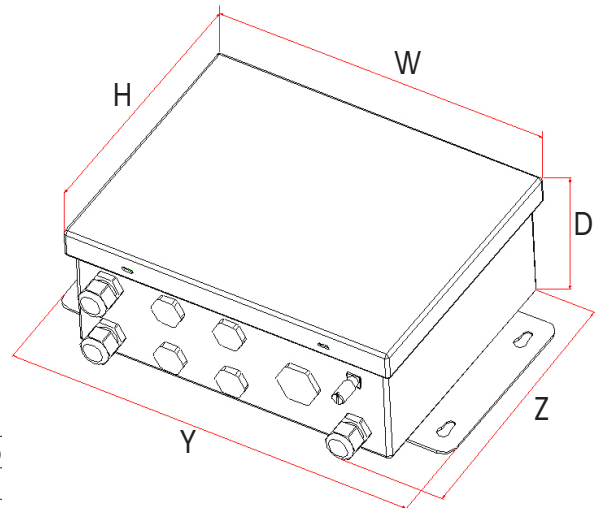


ARM100  
Remote I/O



Ethernet

Serial



## ServiceXXL

Tailored Services

### Essential Services for Dependable Performance

METTLER TOLEDO is uniquely qualified to provide the installation, calibration and maintenance services essential to ensuring accuracy, optimizing uptime and prolonging equipment life. Our service representatives will be there at the right time, with the right parts, the right tools and the right skills to meet your needs.

[www.mt.com/IND560x](http://www.mt.com/IND560x)

for more information



Subject to technical changes  
INDB0043.1E  
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