

# EX readers

## IWH3055Ex(C), IWH022RS485Ex(C) and IR6090B EX

Idesco Microlog ATEX approved readers are designed for RFID applications in hazardous environments where good performance and reliability are required. Typical applications are maintenance, asset marking, materials handling and access control.

ATEX approved readers are used in hazardous areas like chemical and petrochemical industry. An easy-to-use ASCII protocol is available for read and write commands.

The readers are compatible with Idesco Microlog cards and tags. High speed, full duplex communication with RF tags is well secured.

IWH022RS485Ex(C) reader operates also with tags placed in metal. IWH3055Ex(C) reader can be provided with a card holder for applications where the card should be present in reading area for longer transaction. Typical applications for IR6090B EX are factory automation and data collection.



	IWH3055Ex(C)	IWH022RS485Ex(C)	IR6090B EX
Voltage	12 VDC	12 VDC	12 VDC
Current consumption	80 mA	80 mA	35 mA
Cable	no cable	no cable	LIYCY 3 m
Material of housing	Polyasetal (POM)	Polyasetal (POM)	Plastic
Dimensions of housing	180 (+connector 100) x 55 x 35 mm	Ø 40 x 255 (+connector 100) mm	110 x 43 x 24 mm
Weight	565 g	500 g	
Interface	RS-485	RS-485	RS485 (4-wire)
Operating temperature	-20...+70 °C	-20...+70 °C	-30...+70 °C
Storage temperature	-40...+85 °C	-40...+85 °C	-40...+85 °C
Protection class	IP67	IP67	IP67
Carrier frequency	24 kHz	24 kHz	24 kHz
Field strength	Below ETSi ETS300330	Below ETSi ETS300330	According to EN300330
Certificate class	EEX ia IIC T4, EN50014+A1&A2, EN50020, EN50284, VTT 04 ATEX 007x	EEX ia IIC T4, EN50014+A1&A2, EN50020, EN50284, VTT 04 ATEX 006x	EEX ia IIC T4, EN50014+A1&A2, EN50020, EN50284, VTT 05 ATEX 088x
EMC	MeetsCE requirements	MeetsCE requirements	MeetsCE requirements
Led			Tricolor

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