



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

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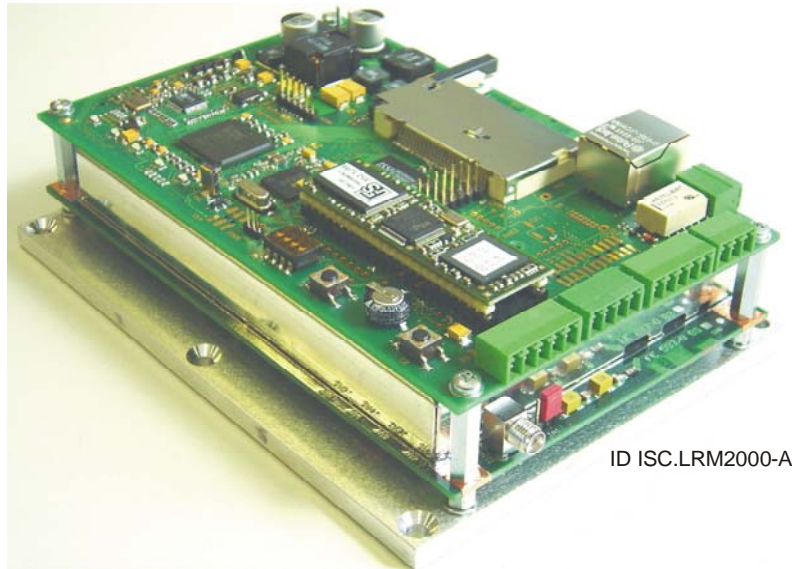


Advanced reader technologies

**i-scan<sup>®</sup> HF**

(13.56 MHz)

Long Range  
Reader Unit  
ID ISC.LRM2000-A  
ID ISC.LRM2000-B



Multi-tag Long Range Reader Unit for identification of 13.56 MHz transponders in retail, industry and logistics

### Features:

- Various antenna configurations with reading ranges up to 2 meters
- Buffered Read Mode\*, Notification Mode\*, Scan Mode\*
- Multi-tag Reader (ISO 15693, ISO 18000-3 and EPC HF)  
Optional further tag protocols are available
- Interfaces: RS232, RS485, LAN\*, WLAN\*
- Interface compatibility to all OBID i-scan<sup>®</sup> Readers
- OBID i-scan<sup>®</sup> ISO Host Mode

\* Only available for ID ISC.LRM2000-A

As any device of the OBID *i-scan*<sup>®</sup> HF product family, the Long Range Reader Units ID ISC.LRM2000-A and ID ISC.LRM2000-B identify transponders with an operating frequency of 13.56 MHz.

Due to the used antennas, the readers have a maximum reading/writing distance of up to 2 meters. So they are suitable outstandingly to be used in fields of application like retail, logistics and industry which call for great reading ranges and anti-collision function.

The reader's anti-collision function facilitates simultaneous identification of up to 100 transponders per second even trough packagings.

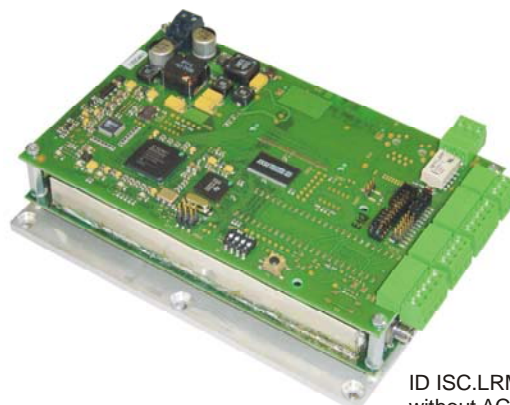
The unit variant ID ISC.LRM2000-A has exactly the same features like the housing variant ID ISC.LR2000-A\*.

The second unit variant ID ISC.LRM2000-B possesses no second digital board and so no BRM function, LAN- and WLAN interface.

(\*Please have a look at the data sheet ID ISC.LR2000-A)



ID ISC.LRM2000-A  
with second digital board (ACC)



ID ISC.LRM2000-B  
without ACC

## Standard conformity

RF approval	
- Europe	EN 302 208, EN 300 220
- USA	FCC 47 CFR Part 15
EMC	EN 301 489
Safety	
- Low voltage directive	EN 60950
- Human exposure	EN 50364
Vibration	EN 60068-2-6 10 Hz to 150 Hz: 0,075 mm / 1g
Shock	EN 60068-2-27; acceleration: 30g

	ID ISC.LRM2000-A	ID ISC.LRM2000-B
Housing	---	
Dimensions (WxHxD)	160 x 120 x 46 mm (6.29 x 4.72 x 1.81 inch)	
Weight	approx. 600 g (1.32 lb)	
Protection class	---	
Supply voltage	24 V DC +/- 15% (Noise Ripple: max. 150 mV)	
Power consumption	max. 32 VA	
Operating frequency	13.56 MHz	
Transmit power	2 W -12 W (Software configurable in 250 mW steps)	
Modulation	10% - 30% and 100% Software configurable	
Antenna connection	1x SMA jack (50 Ohm)	
Diagnostic options	internal VSWR-Meter internal temperature monitoring	
DC supply at antenna connector	8V DC (max. 150 mA)	
Outputs: - 1 Optocoupler - 1 Differential output - 1 Relay (1x changeover)	24 V DC / 30 mA Reader Synchronisation 24 V DC / 2 A	
Inputs: - 1 Optocoupler - 1 Differential input	max. 24 V DC / 20 mA Reader Synchronisation	
Interfaces	RS232 RS485/RS422 LAN (802.3) WLAN (802.11b)	RS232 RS485/RS422
Protocol modes	FEIG ISO HOST Buffered Read Mode Notification Mode Scan Mode	FEIG ISO HOST
Supported transponders	ISO15693, ISO18000-3-A (EM HF ISO Chips, Fujitsu HF ISO Chips, KSW Sensor Chips, Infineon my-d NXP I-Code, STM ISO Chips, TI Tag-it)  NXP I-Code 1, I-Code UID, I-Code EPC	
Optical indicators	6 LEDs for operating status diagnostics	5 LEDs for operating status diagnostics
Temperature range - operating - storage	-20°C to +55°C (-4°F to 131°F) -25°C bis +85°C (-13°F to 185°F)	
Humidity	5-80% (no condensation)	



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