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TECHNOLOGY GROUP

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Find the *Feig Electronic LRM2000-A* at our website: ***Click HERE***

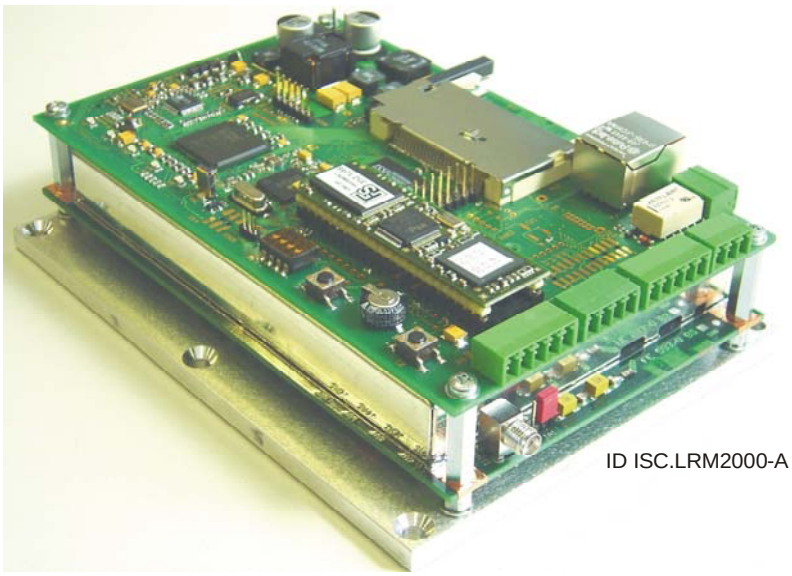
OBID

Advanced reader technologies

i-*scan*® *HF*

(13.56 MHz)

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



ID ISC.LRM2000-A

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*® Readers
- OBID i-*scan*® ISO Host Mode

* Only available for ID ISC.LRM2000-A

FEIG ELECTRONIC

OBID®-- RFID by FEIG ELECTRONIC

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Description

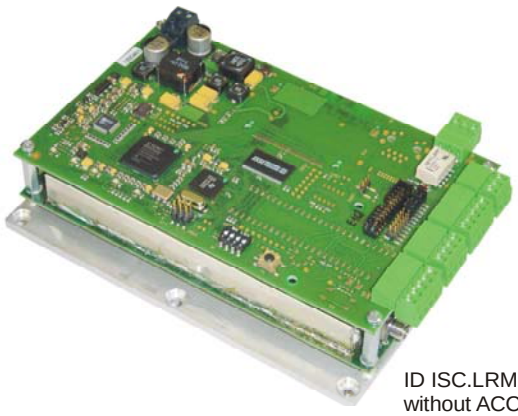
As any device of the OBID i-*scan*® *HF* product family, the Long Range Reader Units ID ISC.LRM2000-A and ID ISC.LRM2000-B identify transponders with an operating frequency of 13.56 MHz.
Due to the used antennas, the readers have a maximum reading/writing distance of up to 2 meters. So they are suitable 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 posesses 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 nsecond 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

FEIG ELECTRONIC GmbH
Lange Straße 4, D-35781 Weilburg
Tel.: +49 (0) 6471 / 3109-0, Fax: -99
Internet: http://www.feig.de
e-mail: OBID@feig.de

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	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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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

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