



Leica RFID

„LID Module 1.0“

Instructions for use

This Statement has to printed in the User Manuel of the End-Product

Leica Microsystems CMS GmbH. Instructions for use, 11XXXXXX, Revision 1.0, 2015-06-15

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1. General

1.1 Product Description

This microscope contains the RFID module „LID Module 1.0“.

It recognizes the used filter cubes in the fluoturret.

The different filter cubes are equipped with corresponding passive tags (Type D6.7 special).

During initialization phase of the turret, these tags are read by the LID Module 1.0.

The tags cannot be written or modified by the LID Module 1.0.

1.2 Specifications LID Module 1.0

| | |
|-------------------------|------------------|
| Supply Voltage | 5V |
| Dimensions | 36 x 25 x 9.8 mm |
| RFID Protocol | ISO 15693 |
| Transmit frequency | 13,56 MHz |
| Operating temperature | -5°C to +65°C |
| Storage temperature | -20°C to +85°C |
| Communication interface | I ² C |



LID Module 1.0

1.3 Specifications RFID Tag D6.7 special

| | |
|-----------------------|------------------|
| Modulation Scheme | Close coupling |
| Dimensions | D=6,7mm TH=2,6mm |
| RFID Protocol | ISO 15693 |
| Transmit frequency | 13,56 MHz |
| Read write type | 2kbit EEPROM |
| Operating temperature | -15°C to +65°C |
| Storage temperature | -25°C to +125°C |

1.4 Ports

1. I2C Port



1.4 FCC / IC Compliance



Note:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



Notice:

This device complies with Part 15 of the FCC Rules [and with Industry Canada licence-exempt RSS standard(s)].

Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.



Notice:

Changes or modifications made to this equipment not expressly approved by Leica Microsystems CMS GmbH may void the FCC authorization to operate this equipment.

Hereby, Leica Microsystems CMS GmbH declares that the radio equipment type LID Module 1.0 designation of type of radio equipment] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.leica-microsystems.com.....