ULTI SENSE.

INFO SHEET

INTEGRATOR KIT

Easy and trouble free testing of all Ultisense Modules (LRF & DMC) without coding

BASIC KIT LRF / BASIC KIT DMC

Enables initial testing with a simple USB-C connection to PC or laptop. The included software displays distance and other features for LRFs or shows necessary compass data. The power is supplied via USB-C from a PC or through a DC power inlet for lab use. Basic kits are available for LRF and DMC.

ADVANCED KIT LRF & DMC

Includes a development board for direct access to the hardware signals of the various pins of the LRF module. Removable jumpers support comprehensive testing with test equipment such as oscilloscopes, etc. Suitable for both LRF and DMC-pico modules. The advanced kit is optimized for testing LRFs and it also allows testing of the DMC-pico modules.

ULTISENSE TERMINAL SOFTWARE

Provided for all kits is the Ultisense terminal software for either Ultisense LRF or DMC-pico modules. For instance, with LRF modules, various measuring frequencies can be easily tested without the need for coding. In case of DMCs, a crucial software function displays magnetic disturbances, aiding in pinpointing the most optimal, least disrupted DMC position within the host system.

EYE PROTECTION WHEN USING A CLASS 3B POINTER

When testing a Class 3B laser, it is recommended to use an Eye Safety Kit that includes a conversion filter, reducing the laser transmitter from Class 3B to Class 1 for safe, eye-protected laboratory use.

SUITABLE FOR

LRF 3013

LRF 3019

LRF 6019

LRF 6042

LRF 7047

LRF 6742

DMC PICO

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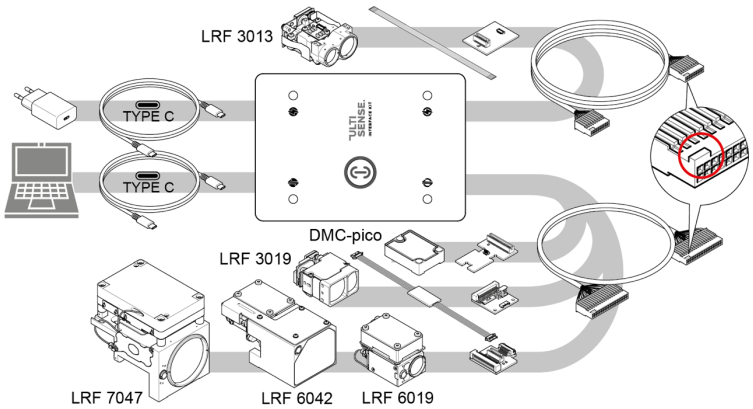
INFO SHEET **INTEGRATOR KIT**

CONTENT OF INTEGRATOR KIT



1. Basic hardware board (power and communication converter)
2. Advanced development board*(all hardware lines available)
3. USB-C cable for data communication
4. USB-C cable for power supply
5. Plug-in power supply
6. Flex cables (3×) for connecting LRF 3013 to its adapter
7. Cables (4×) for board-to-board interconnections and connection to adapters
8. Adapters (4×) for all modules
9. Download code for Terminal software
10. Jumpers for development board *(not shown)

* is only part of the Advanced Integrator Kit LRF & DMC

DIMENSIONS

Basic hardware board (length / width / height)	130 mm × 91 mm × 26 mm
Advanced Development Board (length / width / height)	130 mm × 91 mm × 22 mm

POWER SUPPLY

Plug-in power supply	
Voltage range	100 to 240 V AC, 50 to 60 Hz
Power consumption	max. 45 W
Fast charging protocol	SFC 2.0
Charging plug	USB-C
DC power inlet	
DC coaxial power plug	dia. 2.1 × 5.5 mm
Input voltage	18 to 24 VDC

ORDER INFORMATION AND ACCESSORIES

Basic Integrator Kit DMC	918 484
Basic Integrator Kit LRF	918 485
Advanced Integrator Kit LRF & DMC	918 486
Eye Safety Kit LRF 6019 & LRF 7047	914 675
Eye Safety Kit LRF 6042	917 660

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