



RFID Division

Hardware | Reader
RFID Reader
HF40 Series

RFID Reader THR

13.56 MHz



Ready
for
RFID ?

* Radio Frequency Identification

- Mobile RFID reader
- Replacement for barcode reader
- Quick installation
- Operation at the touch of a button
- Emulated serial interface or keyboard emulation



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RFID stands for contactless identification of objects being tracked, without line-of-sight being required. Data can be transmitted between a data carrier (transponder) and the RFID reader through various materials, such as paper, plastic or glass. Reading is not affected by dust or dirt, which means that RFID systems can also be used in harsh environments.

For users who want to replace barcodes with RFID, Brooks Automation offers the RFID Reader LF40 THR, an easy-to-operate read/write device to transfer transponder data to a computer. The device communicates with passive TIRIS® transponders at the LF frequency of 134.2 kHz.

The RFID Reader LF40 THR is connected to the PC via a USB interface. The device is connected directly to the computer.

The device with keyboard emulation can be connected to a running PC. The reader automatically detects the driver and subsequently starts installation.

The reading operation starts at the touch of a button. If identification was successful, The device confirms this by a signal and a flashing LED.

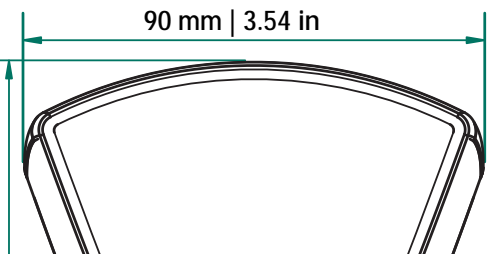
The collected data are transferred to the PC via USB interface, and can be displayed and processed in any input field or text document.

The RFID reader is configured via the Set button. The individual settings can be changed at the touch of a button and can be visualized in ASCII or HEX format in a text document on the screen.

If the device is used in combination with an emulated COM port, data transfer is carried out using an ASCII protocol.

You will find more information on Brooks Automation at:

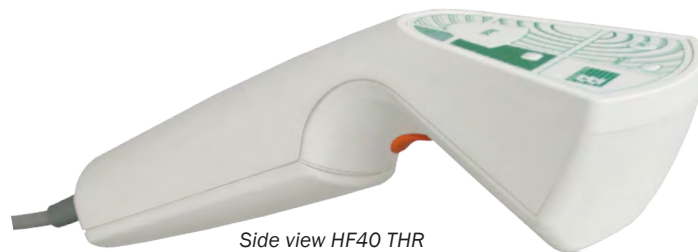
www.brooks-rfid.com



HF40 THR dimensions



HF40 THR keypad



Side view HF40 THR

Part number	
THH-U1K-0Rx0-SM-00x0	Keyboard emulation
THH-U1M-0Rx0-SM-00x0	USB (emulated COM port)

Different cable types and lengths are available.

Technical data	
Output format	ASCII or Hex
Dimensions	appr. 165 x 110 x 80 mm 6.5 x 4.33 x 3.15 in
Cabel length	Different cable types and lengths are available (e.g. 3.0 m 118.11 in and 5.0 m 196.85 in)
Weight	220 g
Housing material	ABS
Protection class	IP40
Operating temperature	-25 °C to 70 °C
Storage temperature	-40 °C to 85 °C
Voltage	5 V +/- 5%
Current (active mode)	100 mA
Current (passive mode)	40 mA

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