



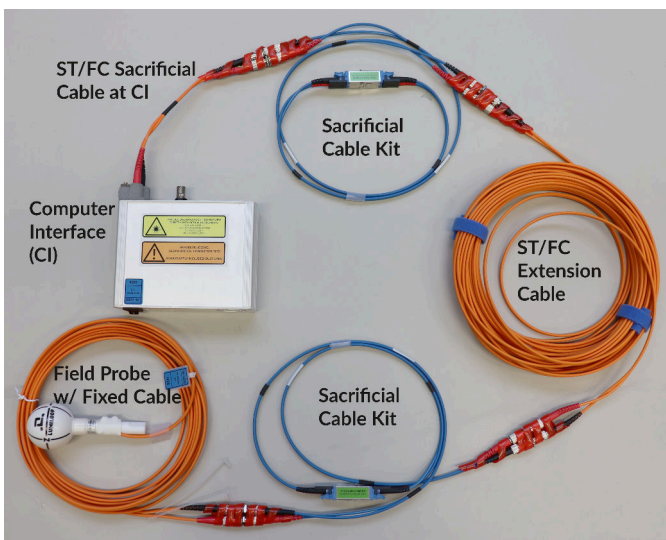
LSProbe Quick Start Guide

LUMILOOP GmbH

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The most recent version of this document and the full length LSProbe User's Manual can be found at <http://www.lumiloop.de>.

1 System Overview



The LSProbe system consists of the optically powered E-Field Probe and the Computer Interface shown above. The Computer Interface is connected to the host computer via USB 2.0.

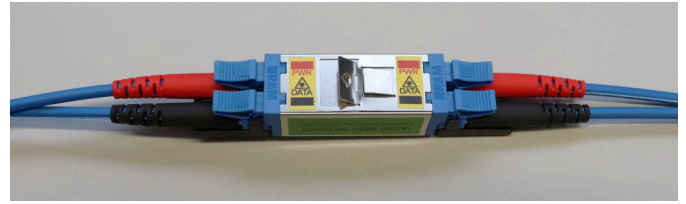
The LSProbe TCP Server handles all USB communication. The LUMILOOP GUI and other third party EMC software access the LSProbe TCP Server using SCPI commands exchanged via a TCP/IP connection.

2 Software Installation

1. Run LUMILOOP_Installer.exe found on the USB thumb drive and follow the installation instructions.
2. Copy the supplied calibration data into the directory selected during TCP Server and GUI installation. E.g. if the calibration data directory is C:\ProgramFiles(x86)\LUMILOOP\cal\lsprobe and the serial number of the E-Field Probe is 42, please copy the whole directory named sn42 / 2v0sn42 from the installation medium into the cal\lsprobe directory.

3 Making Optical Connections

Note: Every LSProbe is delivered with plugged optical connectors and ready to use.



Sacrificial optical cables are supplied with each LSProbe E-Field Probe. Always use the E2000 connectors shown above for breaking and making the optical connection. The E2000 connectors of the sacrificial cable assembly include automatic shutters preventing contamination and resulting optical fiber burn-in. Nevertheless, all optical connectors must be kept in a perfectly clean condition at all times.

In case of a fiber connector burn-in only a pair of sacrificial cables need to be replaced, allowing for rapid and cost-effective fault recovery without requiring external service.

For detailed instructions, consult the LSProbe User's Manual, Section 5.1.1.

4 System Startup

1. Connect the included mains adapter to the Computer Interface.
2. Connect the Computer Interface to the host computer using the included USB cable.
3. Switch on the Computer Interface setting the front panel switch to 1 and observe the green power LED starting to flash. If the host computer has access to the on-line Microsoft Windows Update, the USB driver will be installed automatically.

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LUMILOOP TCP Server: LSProbe 7 CI163 FP7
LSProbe 1.x/2.x TCP Server, 64 bit, built Mar 25 2022 10:19:48.
Configuration File: "C:\Users\lenovo\AppData\Local\LUMILOOP.ini"
-----Configuration Summary-----
Name | Value
-----|-----
PORT | 10000
CAL_PATH | C:\Program Files (x86)\LUMILOOP\cal\lsprobe
SAVE_PATH | C:\Users\lenovo\LUMILOOP_Data
COM_PORT | 10
UPDATE_CHECK | 1
TIMEOUT_DIALOG | 1
LEGACY_IDN | 0
-----Calibration Data Summary-----
LSProbe# | Check | In-House Cal. | External Cal.
-----|-----|-----|-----
1 | 1.2 | Pass: 0,2,3,4,6,7 | 2016/09/05 | 2016/10/06
2 | 1.2 | Pass: 0,2,3,4,6,7 | 2016/09/05 | 2016/10/06
458 | 1.2 | Pass: 0,2,3,4,6,7 | 2020/11/19 | None
555 | 1.2 | Pass: 0,2,3,4,6,7 | 2021/08/24 | 2021/12/03
Type "h" or "h?" for list of terminal shortcut commands.
-----Computer Interfaces Summary-----
Device# | CI# | Hardware Rev. | CI-Firmware
-----|-----|-----|-----
0 | 163 | CI250 1.2 | 13916
1 | 197 | CI250 1.2 | 13916
2 | 318 | CI250 1.2 | 13916
CI163:FP7>
```

