



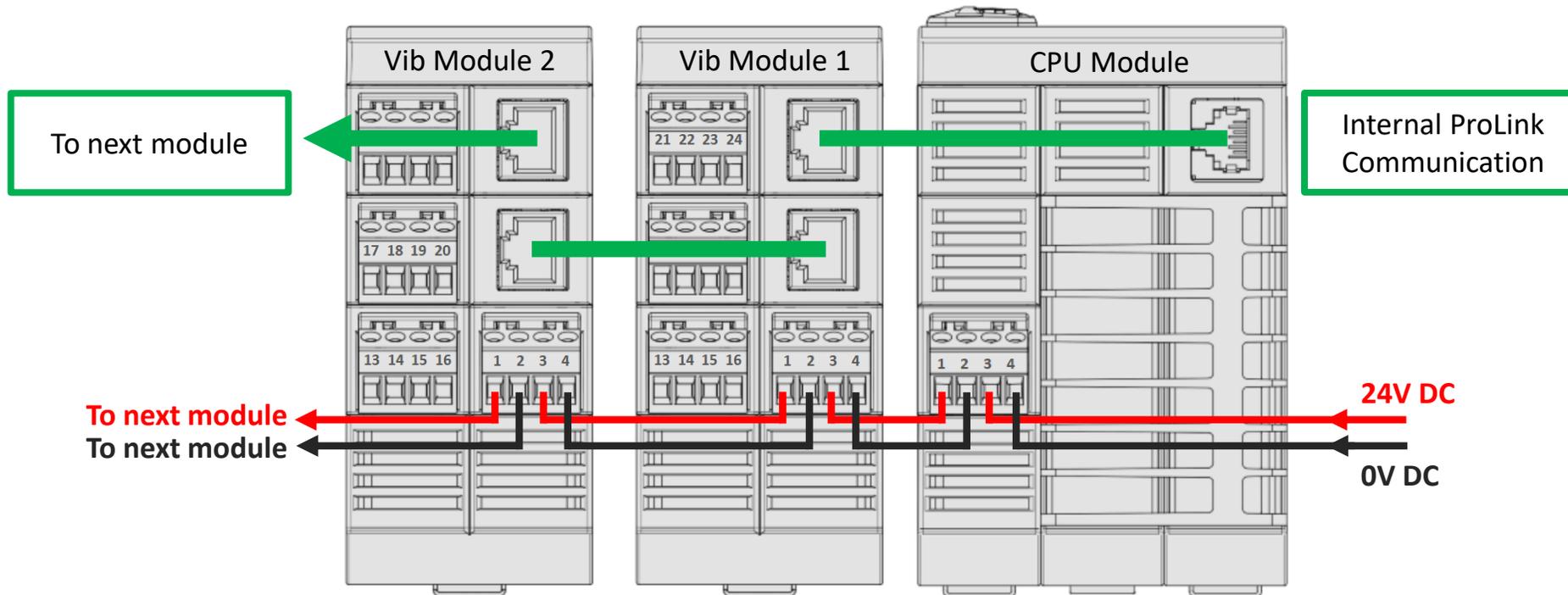
Short Manual ProLink CMS

Agenda

- 1** Hardware installation
- 2** Open SmartWeb
- 3** Setup IEPE-Input

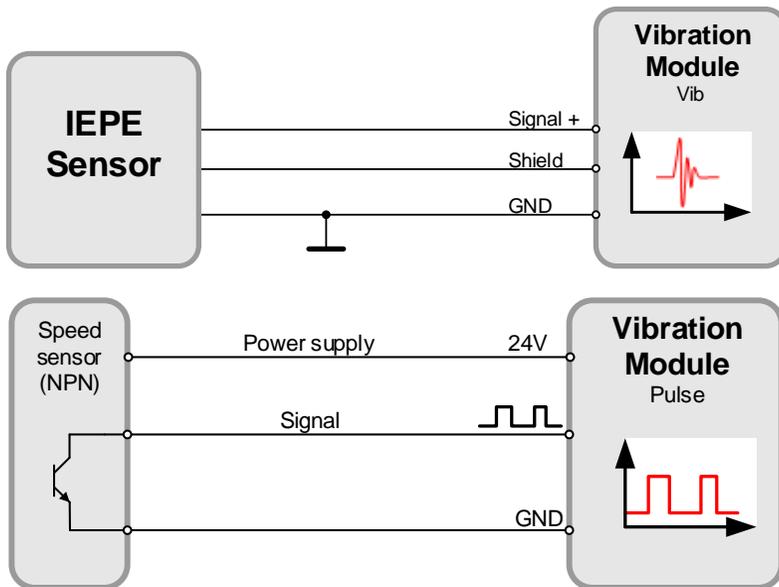
Power Supply + Internal ProLink Communication

1. Switch off power supply
2. Connect power supply & internal ProLink communication (Uplink cables are included in the packaging)



Sensor connection Vibration Modul

1. Connect acceleration sensor
2. Connect additional sensors like speed sensor



	IEPE +	GND	Shield GND	Shield FE
Vib1	13	14	15	16
Vib2	17	18	19	20
Vib3	37	38	39	40
Vib4	41	42	43	44

	24V	GND	Signal	GND
Pulse 1	21	22	23	24
Pulse 2	45	46	47	48

Important!

Please activate IEPE power supply in the SmartWeb. See from page 7.

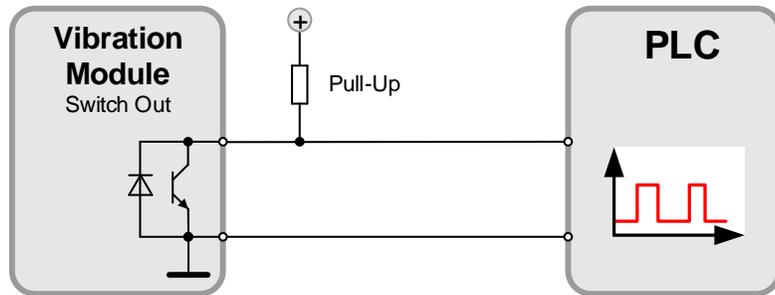
The sensor will be powered by the Module with 24VDC. An additional power supply is not necessary. Maximal current: 100mA per sensor.

Info:

By using standard NPN speed sensors, no changes in configuration is required

Output connection Vibration Modul

1. Connect external PLC



	Open Collector	GND
Switch Out 1	33	34
Switch Out 2	35	36
Switch Out 3	29	30
Switch Out4	31	32

Please take care of external pull-up resistor. Most times the resistor is included in PLC module

2. Switch on power supply

Agenda

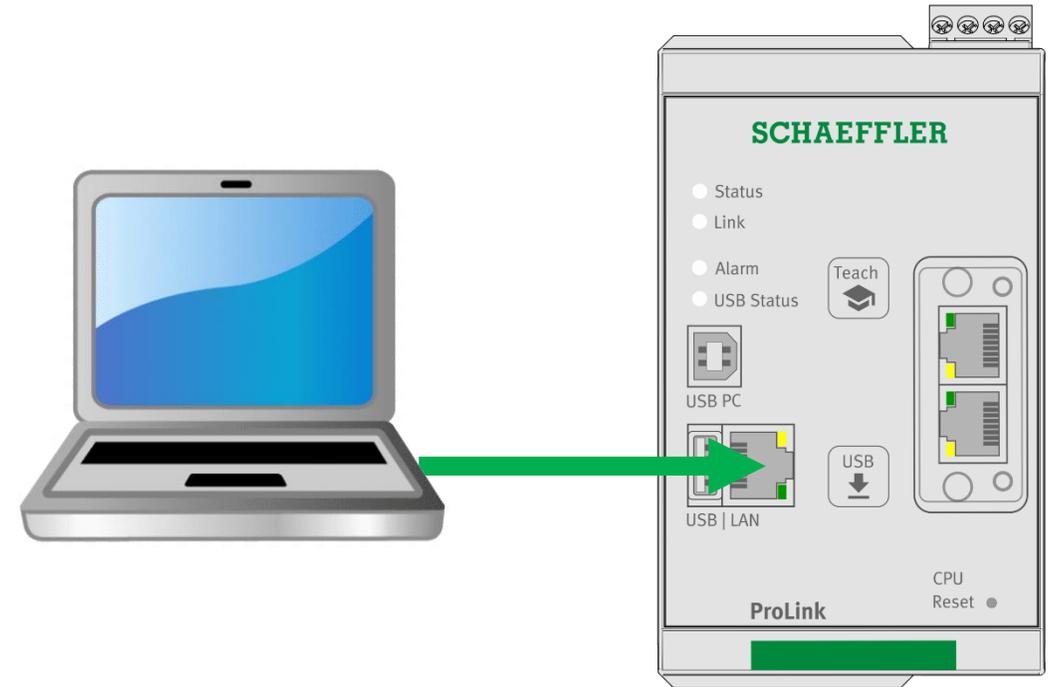
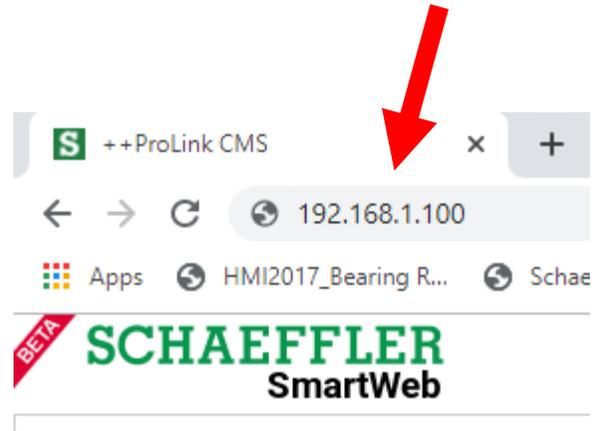
- 1 Hardware installation
- 2 Open SmartWeb**
- 3 Setup IEPE-Input

2 Open SmartWeb

Connect to SmartWeb of ProLink CMS

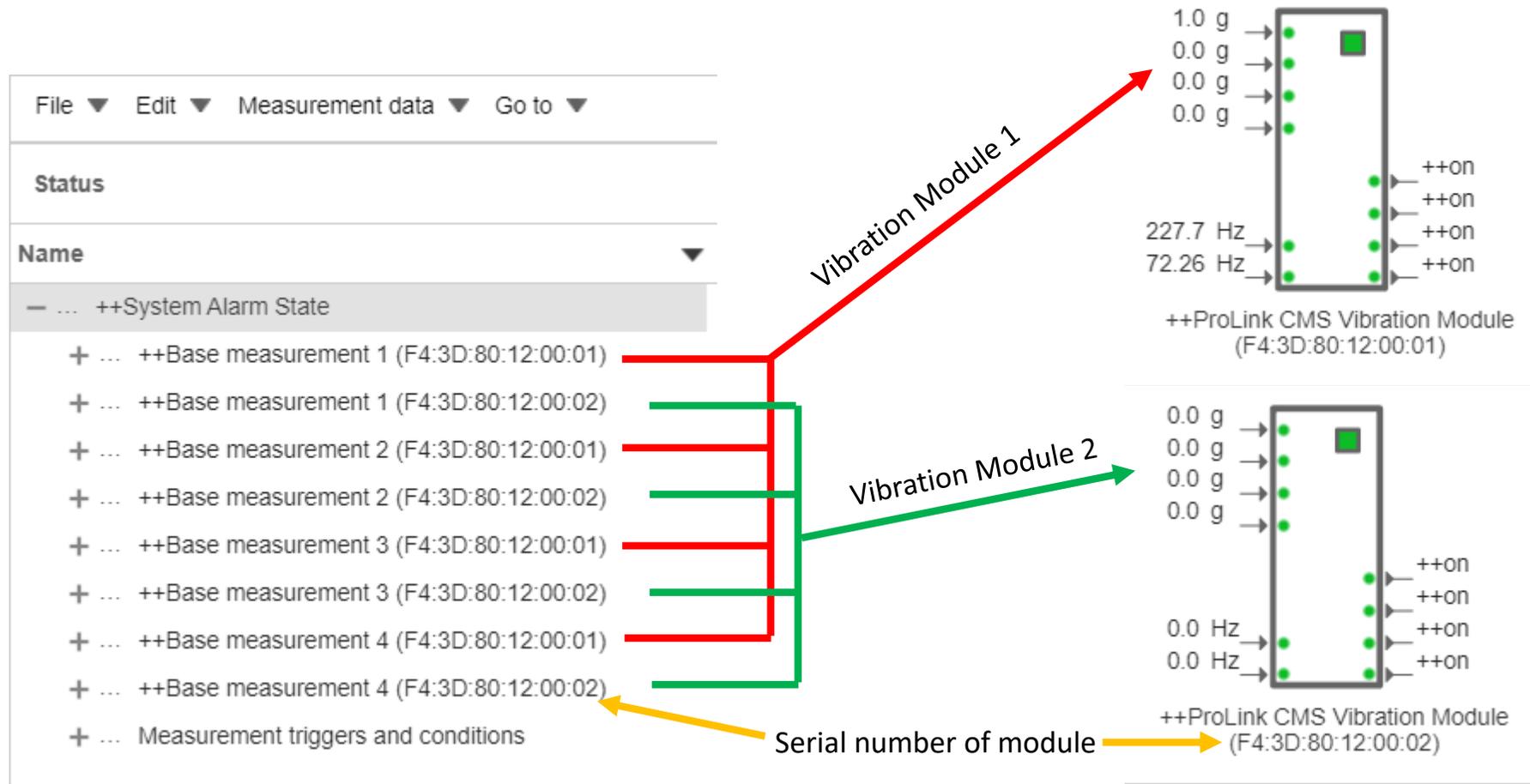
Info: default IP Address of ProLink CMS: 192.168.1.100

1. Set IP Address of your PC/Laptop to 192.168.1.xx (not 100!)
2. Connect Laptop with LAN connector of ProLink CMS
3. Open Browser (Chrome)
4. Enter IP Address 192.168.1.100 in the address line of the browser



Base Measurement job

For each vibration input a Base measurement job will be created.



Agenda

- 1 Hardware installation
- 2 Open SmartWeb
- 3 Setup IEPE-Input**

Change Vibration input to IEPE

The screenshot shows a software interface with a sidebar menu on the left and a main content area on the right. The sidebar menu includes items: Status, Measurement data, Live view, Configuration, User management, and Log out. The main content area displays a tree view of configurations under the heading 'Name'. The tree view is expanded to show 'Input configurations', which includes several vibration sensors and digital speed inputs. A red box highlights the 'Configuration' menu item in the sidebar, with an arrow pointing to it and the text '1. Click to "Configuration"'. Another red box highlights the 'Input configurations' item in the tree view, with an arrow pointing to it and the text '2. Click to "Input configurations"'. A third red box highlights the '++ProLink CMS Vibration Module (F4:3D:80:12:00:01)' item in the tree view, with an arrow pointing to it and the text '3. Click to "Vibration Module"'. The tree view also shows other items like '++Vibration Sensor 1-4', '++Digital Speed 1-2', and '++ProLink CMS Vibration Module (F4:3D:80:12:00:02)'.

Change Vibration input to IEPE

Configuration

Name

- ... Configuration
 - ... Input configurations
 - ... ++ProLink CMS Vibration Module (F4:3D:80:12:00:01)
 - ... ++Vibration Sensor 1 (F4:3D:80:12:00:01) - Vibration sensor 1
 - ... ++Vibration Sensor 2 (F4:3D:80:12:00:01) - Vibration sensor 2
 - ... ++Vibration Sensor 3 (F4:3D:80:12:00:01) - Vibration sensor 3
 - ... ++Vibration Sensor 4 (F4:3D:80:12:00:01) - Vibration sensor 4
 - ... ++Digital Speed 1 (F4:3D:80:12:00:01) - ++Digital input 1
 - ... ++Digital Speed 2 (F4:3D:80:12:00:01) - ++Digital input 2
 - + ... ++ProLink CMS Vibration Module (F4:3D:80:12:00:02)
 - ... Input with fixed value

1. Click to "Sensor 1"

Input configurations

Input channel : Vibration sensor 1

Name : ++Vibration Sensor 1 (F4:3D:80:12:00:01)

Input channel type : Vibration Source

Signal/sensor unit : g (Acceleration)

Sampling rate : 51,200 Hz

Sensor type : AC

Sensor sensitivity : 100.0 mV/g



2. Click to "Edit"

Change Vibration input to IEPE

Edit input configuration

SCHAEFFLER
SmartWeb

Name :
++Vibration Sensor 1 (F4:3D:80:12:00:01)

Unit group : Acceleration Signal/sensor unit : g

Sampling rate : 51,200 Hz

Sensor type :
AC
IEPE
AC
DC

OK Cancel

1. Change Sensor type to "IEPE"

2. Confirm with OK "OK"

Edit input configuration

SCHAEFFLER
SmartWeb

Name : ++Vibration Sensor 1 (F4:3D:80:12:00:01)

Unit group : Acceleration Signal/sensor unit : g

Sampling rate : 51,200 Hz

Sensor type : IEPE

Sensor sensitivity [mV/g] : 100.0

Min. bias voltage [V] : 5.0

Max. bias voltage [V] : 15.0

OK Cancel

Info: Name of Sensor can be changed by user

No changes required

Change Vibration input to IEPE

The screenshot displays a configuration interface with two main panels. The left panel, titled 'Configuration', shows a tree view of settings. The right panel, titled 'Input configurations', shows the details for the selected configuration.

Configuration

- Configuration
 - Input configurations
 - ++ProLink CMS Vibration Module (F4:3D:80:12:00:01)
 - ++Vibration Sensor 1 (F4:3D:80:12:00:01) - Vibration sensor 1** ●
 - ++Vibration Sensor 2 (F4:3D:80:12:00:01) - Vibration sensor 2 ●
 - ++Vibration Sensor 3 (F4:3D:80:12:00:01) - Vibration sensor 3 ●
 - ++Vibration Sensor 4 (F4:3D:80:12:00:01) - Vibration sensor 4 ●
 - ++Digital Speed 1 (F4:3D:80:12:00:01) - ++Digital input 1
 - ++Digital Speed 2 (F4:3D:80:12:00:01) - ++Digital input 2
 - ++ProLink CMS Vibration Module (F4:3D:80:12:00:02) ●

Input configurations

Input channel : Vibration sensor 1

Name : ++Vibration Sensor 1 (F4:3D:80:12:00:01)

Input channel type : Vibration Source
Signal/sensor unit : g (Acceleration)
Sampling rate : 51,200 Hz
Sensor type : IEPE
Sensor sensitivity : 100.0 mV/g
Min. bias voltage : 5.0 V
Max. bias voltage : 15.0 V

Edit

● Repeat with all Vibration input

Further Information

All configurations can be done like SmarCheck. Please refer to manual of SmartWeb of SmartCheck.

e.g

- Change IP Address of ProLink CMS
- Edit measurement jobs
- Rename measurement jobs
- Create new measurement jobs