

Saveris Signal Strength Probe

Instruction manual



1 Saveris Signal Strength Probe „SST”

1.1. Ordering data

- Part-no. Saveris SST 868MHz: 0572 0129
- Part-no. Saveris SST 2,4GHz: 0572 0169

1.2. Function

The Saveris signal strength probe SST (from Saveris base Version 1.44) serves for determination of the ideal positioning of the Saveris radio probes / Routers / Converters at the appropriate place, in order to achieve an error-free radio transmission of the data and to identify the risks.

1.3. Operation

1.3.1. Sign-On

The signal strength probe is started like the current Saveris radio probes and is directly signed on to the Saveris Base via the connect key at the radio probe (please see Saveris instruction manual).



There is no inclusion of the signal strength probe in a project via the start-up assistant. After sign-on the probe can immediately be used.

1.3.2. Use

The strength of the radio signal can be read directly off the display of the signal strength probe or from the base (under the menu item **Instrument Info**) (indication in %, 100%=max. RSSI (Received Signal Strength Indicator) in dBm, 0%=0 RSSI in dBm). The signal strength is not displayed in the Saveris Software.

The limit value of the signal strength, at which a safe and error-free transmission is guaranteed, can not be defined exactly. Even at a low signal strength a transmission is possible. However with an indication of e.g. 10% the transmission strength is not to be classified as high any more. The possibility of a transmission disturbance at changed ambient conditions increases with a weak signal strength versus a strong signal strength. Therefore it is important to look for the ideal positioning of the probe.

1.3.3. Ideal positioning of a Saveris Router/Converter

The Saveris signal strength probe only shows the signal strength between probe and Base, not the signal strength between a Router/Converter and probe. Therefore the following steps have to be adhered to for the ideal positioning of a Router/Converter:

1. Determine the ideal position of the Routers with the radio signal strength probe (radio connection Base to position Router).
2. Temporarily position the Saveris Base at the selected place of the Routers/Converters and measure the signal strength to the probe positions.



The complete radio / Ethernet chain from Base over Router/Converter to the probe cannot be measured in one step.

1.3.4. Sign-Off

Sign off the signal strength probe from the Base by pressing the connect key at the radio probe for a long time. Furthermore with any restart of the Base all signal strength probes are automatically signed off.

