

# SILBUS Handheld Programmer

The HHP1-S is a compact, intrinsically safe, handheld device designed for optimal portability and ease of use. It allows users to efficiently test, configure, and update firmware on SILBUS products directly at the operational site, eliminating the need for a laptop and other external hardware.

This device is particularly useful for field technicians and engineers who require a reliable tool for on-the-spot diagnostics and configuration, ensuring that SILBUS systems are always running at peak performance.

### Features

- SILBUS Interface: Monitors the status of all digital and analogue data.
- Configuration of SILBUS devices.
- The HHP1-S eliminates the need for a laptop, SILBUS interface (MEAN1) and a SILBUS tester (GTU8) in most applications.
- Easily replicate configurations when replacing units in the field.
- Firmware updates on-site
- SILBUS Tester
- Intrinsically Safe for use in hazardous locations
- Store multiple configurations and software updates on removable microSD card

### Certification Details

- IECEx TSA 07.0002X Ex ia I Ma
- Battery Input:  $U_i = 6.6V$
- SILBUS Port:  $U_m=250V$   $U_i=16.5V$   $I_i=3.3A$   $U_o=0$   $I_o=0$
- Modbus Port:  $U_i=16.5V$   $I_i=3.3A$   $U_o=5.88V$   $I_o=84mA$
- Config Port:  $U_i=16.5V$   $I_i=3.3A$   $U_o=5.88V$   $I_o=177mA$
- Approved Battery Type:
  - VARTA LONGLIFE Type 4106
  - VARTA HIGH ENERGY Type 4906
  - PROCELL Type PC1500
  - DURACELL Type MN1500
- Battery & Micro-SD can only be changed in safe area



### Specifications

- Dimensions: 102mm x 191mm x 33mm
- Weight: 450g
- Ingress Protection: IP20
- Enclosure Material: ABS (Acrylonitrile Butadiene Styrene) UL94HB
- Protective Case: Black Leather Case with transparent window
- Operating Temperature: 0oC to 40oC
- Storage Temperature: -20oC to 80oC
- Power Supply: 4 x AA batteries
- Power Consumption: 15mA (Backlight Disabled), 26mA (Backlight Enabled)
- Memory Storage: microSD
- Cables:
  - SILBUS cable features 2mm banana plugs for use with test sockets
  - Configuration port cable
- Auto Power Off: 15min
- Display: Transflective LCD
- Backlight: LED

### Ordering Details

Description	Order Number
SILBUS Handheld Programmer	HPP1-S