# Silbus Handheld Programmer

## Type HHP1-S

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 or 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 a removable microSD card.
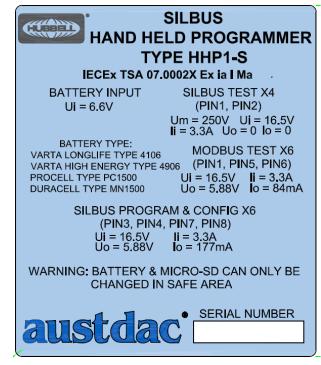
## Specifications

- Dimensions: 102mm x 190mm x 33mm
- Weight: 700g
- Ingress Protection: IP20
- Enclosure Material: ABS (Acrylonitrile Butadiene Styrene) UL94HB
- Enclosure Colour: Pebble Grey (RAL 7032)
- Protective Case: Black Leather Case with transparent window
- Operating Temperature: 0°C to 40°C
- Storage Temperature: -20°C to 80°C
- Power Supply: 4 x AA Batteries
  Varta Longlife Type 4106
  Varta High Energy Type 4906
  Procell Type PC1500
  Duracell Type MN1500
- Power Consumption:
  45mA (Backlight Disabled),
  100mA (Backlight Enabled).
- Memory Storage: MicroSD (max 8GB).
- Auto Power Off: 15min
- Display: Transflective LCD
- Resolution 128 x 64 pixels
- Backlight: LED
- Approvals: IECEx TSA 07.0002X Ex ia I Ma



### SILBUS HAND HELD PROGRAMMER TYPE HHP1-S

**HUBBELL**

IECEx TSA 07.0002X Ex ia I Ma

BATTERY INPUT
$U_i = 6.6V$

SILBUS TEST X4
(PIN1, PIN2)
$U_m = 250V$  $U_i = 16.5V$
$I_i = 3.3A$  $U_o = 0$  $I_o = 0$

BATTERY TYPE:
VARTA LONGLIFE TYPE 4106
VARTA HIGH ENERGY TYPE 4906
PROCELL TYPE PC1500
DURACELL TYPE MN1500

MODBUS TEST X6
(PIN1, PIN5, PIN6)
$U_i = 16.5V$  $I_i = 3.3A$
$U_o = 5.88V$  $I_o = 84mA$

SILBUS PROGRAM & CONFIG X6
(PIN3, PIN4, PIN7, PIN8)
$U_i = 16.5V$  $I_i = 3.3A$
$U_o = 5.88V$  $I_o = 177mA$

WARNING: BATTERY & MICRO-SD CAN ONLY BE CHANGED IN SAFE AREA

austdac

SERIAL NUMBER

*\* DGAP1605 programmer required for SILBUS8161 and SILBUS8163 transmitters*

## Ordering Details

| Description | Order Number |
| --- | --- |
| Silbus Handheld Programmer | HHP1-S |

HUBBELL   A Hubbell brand