

HH2Read Release Notes

HH2Read 2.8
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Contents

ABOUT HH2READ.....	2
<i>What's new in HH2Read 2.8 and HH2 Firmware 2.8.....</i>	<i>2</i>
INSTALLATION	2
System Requirements	2
To install HH2Read	2
To start HH2Read	2
Dataset Import Wizard.....	2
REVISION HISTORY.....	3
HH2Read 2.8, HH2 Firmware 2.8	3
HH2Read 2.7, HH2 Firmware 2.7	3
HH2Read 2.6.1, HH2 Firmware 2.6	3
HH2Read 2.6.....	3
HH2Read 2.5, HH2 Firmware 2.5	3
HH2Read 2.4.....	4
HH2Read 2.32.....	4
HH2 Firmware 2.32	4
HH2Read 2.31.....	4
HH2 Firmware 2.31	4
HH2Read 2.3, HH2 Firmware 2.3	4
HH2Read 2.11.....	4
HH2Read 2.1, HH2 Firmware 2.1	4

About HH2Read

HH2Read is the software for setting up and retrieving data from the HH2 Moisture Meter.

What's new in HH2Read 2.8 and HH2 Firmware 2.8

PR2 SDI12 and SM150T support:

- HH2 firmware version 2.8 include the SM150T and PR2 SDI12 under the device menu.
- HH2Read 2.8 is updated to support data that have been collect with the SM150T and PR2 SDI12.

Installation

System Requirements

To install and use HH2Read you will need:

- A PC running Windows XP, Vista, Windows 7, Windows 8, Windows 10.
- One free RS232 serial port or USB-RS232 adapter.
- 15MB of available hard disk space.
- HH2 RS232 cable (supplied with HH2).

Note: HH2Read 2.6 and later does not support Windows 95, 98, NT4, or Windows 2000.

To install HH2Read

IMPORTANT: if upgrading from HH2Read 2.5 or earlier, first remove your existing installation:

- a. Windows XP via Add or Remove programs, from the Windows Start menu select Settings > Control Panel > Add or Remove Programs > HH2Read and click Remove
- b. Windows Vista, 7, 8 via Programs and Features by clicking the Start button, clicking Control Panel, clicking Programs, and then clicking Programs and Features.

Install from Software and Manuals DVD:

Select the **Install HH2Read 2.8** link in the Contents page of the **Delta-T Software and Manuals DVD** and follow the on-screen instructions.

You need local administrator rights to install HH2Read 2.8. Please contact your system administrator for further information.

Install from Download:

Download **HH2Read 2.8** from www.delta-t.co.uk and click **Run** when the download completes.

The installation program creates an **HH2Read** desktop shortcut, and an **HH2Read** program group under **Delta-T Devices** in the Programs menu which contains shortcuts to:

- **HH2Read** sets up and retrieves data from the HH2 Moisture Meter
- **HH2 User Manual**, and other online documentation.

To start HH2Read

1. Click the **HH2Read** desktop shortcut.
2. Connect the HH2 to the PC's serial port using the RS232 cable supplied with the HH2.
3. Select **Settings > Serial Port** to select the PC serial port that you are using.
4. Click any of the HH2Read buttons to operate HH2 Meter.

Dataset Import Wizard

Dataset Import Wizard imports HH2 datasets into Microsoft Excel spreadsheets.

To install Dataset Import Wizard select the **Install Dataset Import Wizard** link in the Contents page of the **Delta-T Software and Manuals DVD** and follow the on-screen instructions.

Dataset Import Wizard is also available for download from www.delta-t.co.uk, in the support section of the web site.

Revision History

HH2Read 2.8, HH2 Firmware 2.8

This is the current release of HH2Read and HH2 Firmware, and differs from the previous version as follows:

1. PR2 SDI12 and SM150T support:
 - a. HH2 firmware version 2.8 include the SM150T and PR2 SDI12 under the device menu.
 - b. HH2Read 2.8 is updated to support data that have been collect with the SM150T and PR2 SDI12.
2. Corrected units display for WET conductivity where in some places the units uS.cm-1 was displayed as uS.m-1.

HH2Read 2.7, HH2 Firmware 2.7

1. ML3 support:
 - a. HH2 firmware version 2.6 includes the ML3 linearization table preloaded.
 - b. HH2Read 2.7 includes the ML3 linearization table file.
2. HH2Read Improvements:
 - a. HH2Read now lists available COM ports in the serial configuration window instead of listing fixed COM1 to COM8 range.
 - b. HH2Read start menu folder now created in Delta-T Devices folder.
3. HH2 Firmware
 - a. Removed PR1 Special sensor.

HH2Read 2.6.1, HH2 Firmware 2.6

1. SM150 support:
 - a. HH2 firmware version 2.6 includes the SM150 linearization table preloaded.
2. Corrected in HH2 firmware 2.6 'Pot Soil' and 'Glass wool h' soil type selection.
3. Fixed issue introduced in HH2Read 2.6 in installing WET Calibration to a HH2 on 64bit Windows.

HH2Read 2.6

1. SM150 support:
 - a. HH2Read 2.6 includes the SM150 linearization table file.

Note: HH2Read 2.6 was not released outside of Delta-T Devices.

HH2Read 2.5, HH2 Firmware 2.5

1. SM300 support
 - a. HH2 firmware version 2.5 includes the SM300 linearization table preloaded.
 - b. HH2Read 2.5 includes the SM300 linearization table file.
2. HH2 Firmware: corrected display of linearization table name loaded from file.
3. HH2Read, linearization table files: shortened names in all supplied linearization table files to ensure correct display in earlier firmware versions.
4. HH2 Firmware: apparent water content readings in excess of 100% are reported as numeric values, e.g. 103% instead of 'over-range'. This can occur for soil types in which the a0/a1 model breaks down at high water contents.

HH2Read 2.4

1. Fixes problem with retrieving sensor tables from HH2 with firmware older than 2.3.
2. Fixes issue installing sensor tables to an HH2 with incompatible firmware version.
3. Table Status dialog changed to fix display layout issue with Windows Vista.

HH2Read 2.32

1. Dataset Import Wizard is provided separately on the **Delta-T Software and Manuals DVD**, and not installed by the HH2Read installation program.

HH2 Firmware 2.32

1. Update for change of screen.

HH2Read 2.31

1. Installs HH2 User Manual version 4.0.
2. Installs Dataset Import Wizard 1.5.

Note that the HH2Read.exe program is version 2.3, and is unchanged from the previous version.

HH2 Firmware 2.31

1. Fixed Sensor Labels

HH2Read 2.3, HH2 Firmware 2.3

1. HH2 Firmware 2.3 and HH2Read 2.3 support the SM200 Sensor.
2. HH2 Firmware 2.3 can display averaged readings.

HH2Read 2.11

1. HH2Read 2.11 is compatible with HH2 Firmware 2.0

HH2Read 2.1, HH2 Firmware 2.1

1. HH2 Firmware 2.1 and HH2Read 2.1 provide support for the PR2 Profile Probe.