DHH805-A
Configuration Device with HART® Communications

Engineered solutions for all applications

Measurement made easy

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DHH805-A handheld communicator

Introduction

The the DHH805 is a handheld terminal for device configuration of HART® instruments.
It interfaces to a wide range of devices supporting ABB instruments with an option to support those from third party suppliers.
All supported HART field devices can be configured, polled and trimmed using the Mobility DHH805.

For more information

Further publications for DHH805 handheld communicator are available for free download from www.abb.com/pressure

1 Quick Instruction Guide to DHH805 Connection and Activation

DHH805 is delivered in an antistatic, polyester case along with a rechargeable NiMH battery, a battery pack suited for 4 AA alkaline cells (supplied inside the black cardboard box), a universal power supply unit, a leadset to the transmitter, a USB cable for PC connection, DHH805 with its protective rubber shell, an antistatic carrying and a DVD-Rom containing the most updated DD Library, PC-Tool software installer and documentation.

To connect your DHH805 HART® Hand Held Terminal to the DHH805 PC-Tool please follow the following instructions:

1. Install the DHH805 PC-Tool from the DVD-Rom you have inside the device packaging: a driven installation procedure starts and all the needed actions are explained step by step.

Note. Minimum system requirements for DHH805 PC-Tool software are:

Hardware:
— Intel Pentium® D 2,8 GHz or AMD Athlon™ 64 X2 4400+ processor
— Screen resolution of 1024x768 or greater
— Broadband Internet connection
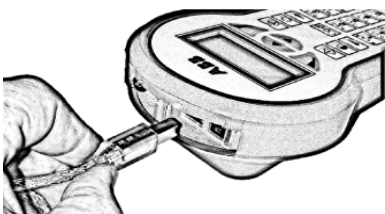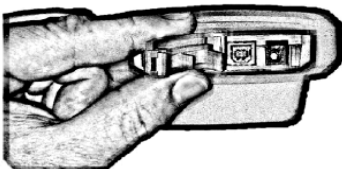— DVD-ROM reader

Software:
— Latest Windows XP, Windows 7 or Windows Vista Service Packs
— 1 gigabyte (GB) RAM (32-bit) for XP version or 1.5 gigabyte (GB) RAM (32-bit) for Windows 7 and Windows Vista.
— 200 megabytes (MB) to 2 gigabytes (GB) available hard disk space (32-bit)
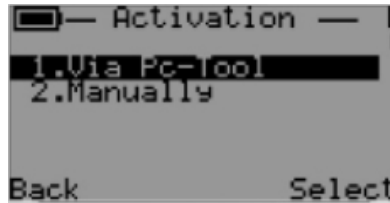— Microsoft NET Framework 3.5 or later

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2. Unhook the elastic handle strap.

3. Remove the protective rubber shell

4. Release the battery pack fixing screws from the holes located at the bottom of the battery pack seat.

5. Install the rechargeable battery pack and tighten the fixing screws.

Note. Operation of the DHH805 is only allowed in safe areas.

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6. In the black cardboard box inside the DHH805 suitcase, you will find the battery charger and 4 power plug adapters. Select the adapter that is compatible with your AC power plug and snap it into place on the AC power connection.

7. Open the plastic cover found on the top side of the DHH805 and plug in the power cord of the battery charger and connect the hand terminal to the PC via the USB cable (see figure here below). After few seconds the backlight will come on and DHH805 automatically turns on.

8. A short message will be displayed on DHH805. Depress the bottom right-hand corner navigation key (On) and access the activation menu.

9. To activate the DHH805 select *"Via PC-Tool"* or *"Manually"* in the activation menu on the display.

If you choose *"Via PC-Tool"* click on **File > Home** on the PC-Tool top bar to refresh the software homepage and enable the *"Activate"* button.

If you choose *"Manually"* you need to insert the activation code (hyphens included) after selecting *"Edit"* under *"Activation Code"*.

To proceed with activation ABB needs the DHH805 serial number (printed on the white cardboard packing box or visible on the DHH805 under **Activation > Manually > Serial Number**) as well as user's contact details.
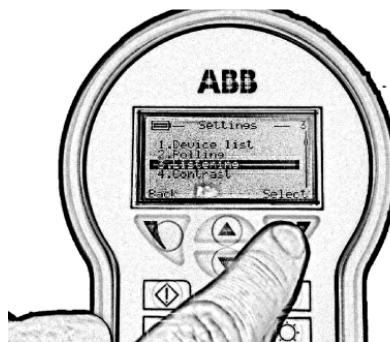

Note. To perform the activation *"Via PC-Tool"* an internet connection may be required. To activate DHH805 *"Manually"* obtain an activation code by contacting ABB using the contact information below. You will require the device serial number (printed on the white cardboard packing box or visible on the DHH805 under **Activation > Manually > Serial Number**):

— Europe: Davide Castelli, phone +39 0344 58262, email davide.castelli@it.abb.com
— America: Stan Chlebda, phone +1 215 6747140 email stan.chlebda@us.abb.com
— India: Balesh Kumar, phone +91 80 22949591, email balesh.kumarl@in.abb.com.
— China: MingZhe Zhu, phone +86 021 61056619 email mingzhe.zhu@cn.abb.com

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10. After activation, the DHH805 is ready to communicate with your HART® devices.

In order to connect the Hand-Held Terminal to the PC to manage DD files or configuration, it is necessary to synchronize them. To do this operation, select *"Settings"* on DHH805 main menu and confirm with the right navigation key *"Select"*.

Scroll down to *"Listening"*, confirm with the right navigation key *"Select"* and refresh PC-Tool homepage clicking **File > Home**.

Needing support? DHH805.support@it.abb.com

2 Products and customer support

2.1 ABB's portfolio for valve automation:
– Continuous electrical actuators and pneumatic actuators

– Electro-pneumatic, pneumatic, and digital positioners

– I/P signal converters

2.2 ABB's pressure measurement:
– Absolute, gauge and differential pressure transmitters

– IEC 61508 SIL2/3 certified pressure transmitters and switches

– Multivariable transmitters

– Interface level/density transmitters

– Pressure measurement remote seals

– Pressure measurement accessories

– Pneumatic pressure transmitters

2.3 ABB's temperature measurement:
– Universal temperature sensors

– High-temperature sensors

– Temperature sensors for sanitary applications

– Mineral isolated temperature sensors

– Thermowells

– Temperature transmitters

– IEC 61508 SIL2/3 certified temperature sensors and transmitters

2.4 ABB's portfolio of recorders and controllers:
– Process controllers and indicators

– Videographic recorders

– Paper chart recorders

– Field mountable indicators and controllers

2.5 ABB's portfolio of level measurement:
– Magnetic level gauges

– Magnetostrictive and guided wave radar level transmitters

– Laser and scanner level transmitters

– Ultrasonic, capacitance and vibrating fork level transmitters and switches

– Rotating paddle and thermal dispersion level switches

– IEC 61508 SIL2/3 certified level transmitters

2.6 ABB's portfolio of device management:
– Fieldbus and wireless solutions

– Scalable asset & device management

– Asset vision software

– Mobility handhelds

2.7 Customer support
We provide a comprehensive after sales service via a Worldwide Service Organization.

Contact one of the following offices for details on your nearest Service and Repair Centre.

ABB S.p.A.
Via Statale 113,
22016 Lenno (Co) – Italy
Tel: +39 0344 58111
Fax: +39 0344 56278

ABB Automation Product GmbH
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Tel: +49 551 905534
Fax: +49 551 905555

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Fax: +1 215 6747183

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Fax: +1 905 6812810

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Faridabad - 121 001, Haryana – India
Tel: +91 129 2448300
Fax: +91 129 2440622

ABB Engineering (Shanghai) Ltd.
No.5, Lane 369, Chuangye Rd., Pudong District,
Shanghai 201319 - P.R. China
Tel: +86 21 6105 6666
Fax +86 21 6105 6677

2.8 Client Warranty
Prior to installation, the equipment referred to in this manual must be stored in a clean, dry environment, in accordance with the Company's published specification. Periodic checks must be made on the equipment's condition. In the event of a failure under warranty, the following documentation must be provided as substantiation:

— A listing evidencing process operation and alarm logs at time of failure.

— Copies of all storage, installation, operating and maintenance records relating to the alleged faulty unit.

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