

MODEL: HHC315 and HHC315X

- LITHIUM BATTERY POWER SUPPLY
- AUTOMATIC SWITCH OFF WHEN IDLE
- AVAILABLE IN INTRINSICALLY SAFE VERSION
- 2X20 ALPHANUMERICAL CHARACTER DISPLAY
- COMMUNICATION IN BELL202, HART PROTOCOL REV. 5 & 6



INTRODUCTION

Indumart HHC315 and HHC315X are field communicators used for communication and exchange of data with intelligent transmitters such as pressure transmitters. It features an output built as a standard current loop of 4-20 mA, using FSK modulation type BEL202 with an implemented HART[®] communication protocol revision 5 and revision 6.

The communicator is designed to configure Indumart intelligent transmitters. However it may be used as the master communicator to configure other HART[®] protocol transmitters made by other manufacturers.

The communicator is powered by its own rechargeable lithium-ionic 3.6 V battery and must be recharged in a safe environment. When the battery is fully charged, the communicator may operate non stop for approximately 170 hours (7 days). The discharged battery is indicated by a blinking battery light on the display. To save the life of the battery, the communicator may be programmed by the user to shut off after a certain time of being idle.

The HCC315 series is a communicator for life. The communicator software may be updated by means of a computer to contain all aspects of both older and newer instruments. The updates will be available by Indumart company.

Two versions of HHC315 are offered. One for safe environment as HHC315 and the other for the potentially explosive environment as HHC315X.

The HHC315X communicators may be used in explosion danger zones marked as II 2G Ex ia IICT4.

Premium grade and precision electronic components are used throughout this instrument to assure excellent accuracy, high reliability and stable long life.

The EMC requirements of these communicators are perfectly fulfilled.

FUNCTIONS

Communication with the transmitters enables the followings: Identification of a transmitter, configuration of its output parameters, calibration and zeroing of the transmitter, units and the measurement range, special range and unit by the user, conversion characteristics (linear, radical, quadratic), reading of a currently measured value (e.g. pressure, output current, degree of output setting in percentage), enforcement of output current with a given value, damping time constant, switching the LCD ON/OFF, etc.

It is possible to modify the following parameters of the transmitter: Device address (0 to 15), number of preambles (3 to 20), ID number (0 to 16777215), message (up to 32 characters), tag label (up to 8 characters), tag description (up to 16 characters), tag date and changing the lock code (to prevent tampering with the transmitter).

In case the user has committed mistakes in calibration, zeroing and configuration of the transmitter, the transmitter can be returned to the settings that have been placed into the transmitter at the production stage, by the aid of these communicators.

HOW TO CONNECT

