Hart communication tools

Hart Field Communicators KAP-03 and KAP-03Ex

Specification:

The KAP-03 (KAP-03Ex) HART field communicator is a portable battery supplied device used for communication and exchange of data with smart transmitters e. g. pressure, differential pressure, temperature transmitters. It features an output built as a standard current loop 4-20 mA, using FSK modulation type BEL 202 with an implemented HART communication protocol revision 5 and revision 6. The communicator is specially designed to configure smart transmitters manufactured by APLISENS.

The communication with the transmitters enables:
- Identification of a transmitter,
- Configuration of its output parameters:
  Units and values of the beginning and the end of its measurement range,
  Ballistic factor,
  Conversion characteristics (linear, radical, special, quadratic),
- Reading of a PV values (e.g. pressure, output current, degree of output setting in %),
- Enforcement of output current with a given value,
- Transmitter calibration as regards master pressure,.
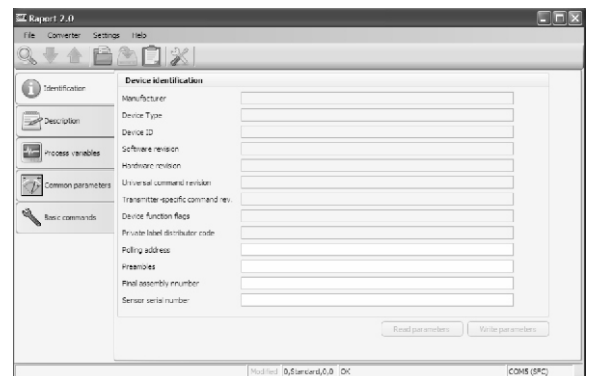- Zeroing

KAP-03 version:

KAP-03 - standard version
KAP-03Ex - intrinsic safe version ⟨Ex⟩ II 2G Ex ia IIC T4 Gb

Raport 2 software

RAPORT 2 is a software designed for communication and data transfer from transmitters with Hart or Modbus protocol made by APLISENS.
The communication with the transmitters enables:
 - Identification of a transmitter,
 - Configuration of its output parameters:
 - Reading of a PV values (e.g. pressure, output current, degree of output setting in %).
 - Enforcement of output current with a given value,
 - Transmitter calibration in relation to master pressure,
 - Function linearization (user characteristic creator),
 - Zeroing

Hart/USB/Bluetooth converter

HART/USB/Bluetooth converter allows to connect transmitter to the PC computer via USB or Bluetooth protocol.

RS485/USB converter

RS485/USB converter allows to connect Modbus RTU transmitter to the PC computer via USB protocol.