

# 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



Communicator in intrinsic safe version is as KAP-03Ex. Communicator in normal version is as KAP-03.



### Ordering procedure

KAP-03 or KAP-03Ex ( version with ATEX)

#### Raport 01 software + Hart converter

RAPORT-01 is a software designed for communication and data transfer from transmitters with Hart 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,
- Zeroing



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## **Ordering procedure**

Software: Raport 01

Hardware:

**RS/Hart converter**