

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:

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)

Report 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



Ordering procedure

Software:
Report 01
Hardware:
RS/Hart converter

