isHRT USBeX
HART-USB Interface

The interface isHRT USBeX is designed to provide a communication link between a desktop computer or PC notebook and the HART field device. The PC can be taken into the field and connected with the HART network within seconds thanks to the USB plug & play features. Mobile data acquisition as well as parameterization are preferred operational areas. The modem can work as primary as well as secondary Master and features galvanic decoupling from the HART line.

For the use in hazardous areas we deliver an intrinsic safe, ATEX certified version: isHRT USBeX. It is functionally equivalent to the standard type.

Technical data[1]	
HART Modem Chip	DS8500
Connector	2-pole current terminal
Transmission rate	1200 Bit/s (600 Bit/s optional)
Safety engineering data	Parameters of non-intrinsically safe circuits (USB connector) U_m AC 253 V Output parameters of intrinsically safe circuit (Hart connector) U_o DC 2,5 V I_o 3 mA P_o 2 mW C_o 1000 µF L_o 100 mH Input parameters of intrinsically safe circuit (Hart connector) U_i DC 30 V $L_I =$ negligible $C_I =$ negligible
Temperature range	0° C ... 50° C / 32° F ... 122° F
Size (WxDxH) in mm	89 x 50 x 24
Weight	243 g
Cable length	≈1,8 m USB & ≈1,5 m HART
Driver software	Windows XP, Vista, Windows 7, 8, 10, 11
Compatible with	Simatic PDM© Siemens, HCF-Server, Emerson AMS Device Manager, PACTware, Endress+Hauser FieldCare, ABB Asset Vision Basic

[1] valid for isHRT USBeX devices as of production date 2021.