

Accessories for Devices with HART Protocol

Software ABO991

- Standardized man machine interface for intelligent field devices
- Extremely straightforward operator guidance with password protection
- Also suitable for HART devices from other manufacturers
- Data management with updating capability
- PC with only DOS required
- Electrically isolated modem MOD991 (RS232/HART) for interference-free transmission

Write protection program WPP991

- to prevent accidental changes to the configuration (e.g. for overflow protection)

Transmitter service program TSP991

- for instrument workshops

Hand Terminal HT991

- Universal, manufacturer-neutral, Hand Terminal for all HART devices
- Simple, menu-oriented operation
- Rugged design for use in the field (degree of protection IP65)
- Explosion protection EEx ia IIC T4

Display and User Interface ABO991

System requirements

- PC min. AT-Computer (286)
- Operating system. DOS 3.2 or higher
- Hard disk ≥ 5 MB free space
- RAM ≥ 512 KB
- Floppy disk drive 3,5" or 5,25"
- Monitor monochrome, color or LCD
- Interfaces. serial, RS 232
optional. for printer

Modem MOD991

- Converts the signals of the PC interface (RS 232) into the HART communication signal
- Communication by means of industrial standard HART
- Standard signal 4... 20 mA is not interrupted
- Connecting cable length 1.5 m, plugs Ø 2 mm
- PC interface. RS 232 (9 pin)
- Ambient conditions. 0 to 50° C
- Transmission with galvanic isolation



FOXBORO ECKARDT offers a broad range of intelligent HART products. Because of the multitude of HART devices a uniform operation is of special significance. In addition to the PC software packages for indication and operating surface ABO991, the write protect program WPP991 and the transmitter service program TSP991, a sturdy and easy to operate Hand Terminal HT991 is available for the application in the field.

For complete specification, refer to Product Specification Sheet PSS EMO0100 A-(en)

Universal Hand Terminal HT991

Communication

- Communication signal HART protocol
- HART protocol for Data transfer between HT991 and HART device
- Communication cable. plugs Ø2mm
- RS 232 for Data transfer between HT991 and PC

Power supply

- Supply alternatively batteries or akkus
- Batteries Five AA alkaline included in delivery
- Akkus Nickel Cadmium, rechargeable

Keyboard

- Membrane keyboard complete alphanumeric character set; permanently allocated and free function keys

Memory

- Memory module for DD 1.25 MB or 4 MB (DD = Device Description of HART devices)
- Buffer memory for device configuration 2 kB
- Memory contents non-volatile when device is switched off
- Dimensions (L, W, H) approx. 255 x 140 x 65 mm

Model Codes

Display and User Interface for PC	ABO991	
Dialog Language		
german	-D	
english	-E	
Disk format		
3 1/2"		1
5 1/4"		2

Transmitter Service Program for Intelligent Transmitter Series 130/140	TSP991	
Dialog Language		
german	-D	
english	-E	
Disk format		
3 1/2"		1
5 1/4"		2

Write Protection Program for Intelligent Devices	WPP991	
Dialog Language		
german	-D	
english	-E	
Disk format		
3 1/2"		1
5 1/4"		2

Modem	MOD991	
MODEM with galvanic separation for HART Devices		
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Universal Hand Terminal for HART Devices	HT991	
Dialog Language / Memory Modul		
german / 4MB	-F	
english / 4MB	-G	
german / 8MB	-H	
english / 8MB	-K	
Electrical Classification		
CENELEC		1
FM (U.S.)		5
CSA (Canada)		6