

Field Xpert SFX370



More information and current pricing:

www.it.endress.com/SFX370

Benefits:

- Simple device access, optimized device configuration, adaptable configuration templates and clear configuration reports save time during commissioning
- Explicit device documentation saves time during device exchange, transparent maintenance, diagnosis and trouble-shooting information increases the safety and availability of the plant
- High resolution full-VGA touchscreen (640x480 Pixel) makes operation simple
- High ingress protection and explosion protection allows Field Xpert to be used in all industries
- Seamless integration of calibration data into calibration management solutions saves time and increases the quality of device calibrations
- Mobile phone, camera (send as-is pictures immediately by email), 1D laser scanner (barcode), 2D imager (e.g. DataMatrix-Code, QR-Code) and RFID as standard or option increases labor productivity
- Open, vendor-independent operating system allows additional Asset Management applications to be run

Field of application: Field Xpert is an industrial PDA with integrated touchscreen for commissioning and maintaining field devices in explosion hazardous and safe areas*. It allows efficient configuration of FOUNDATION fieldbus, HART 5/6/7 and WirelessHART devices via Bluetooth and/or Wifi interfaces. From an application oriented view, Field Xpert is the mobile platform for Endress+Hauser Plant Asset Management applications. *Field Xpert SFX350 (safe areas) and Field Xpert SFX370 (explosion-hazardous areas).

Features and specifications

Fieldbus components

Measuring principle

Device configurator

Fieldbus components

Function

Ruggedized mobile computer (PDA) for commissioning and maintenance of field devices. Efficient device configuration and device diagnostics for HART and FOUNDATION fieldbus devices in Ex- and Non Ex-areas.

CPU

OMAP Multi Core Processor 1GHz

Memory

512 MB RAM, 1 GB Flash Memory,
16 GB Micro-SD Card (up to 32 GB possible)

Power supply

Lithium-ion battery, IEEE 1725 (removable, rechargeable), 3,7 V,4000 mAh

Dimensions (WxHxD)

Standard:

225 mm x 85 mm x 58 mm

(8,8" x 3,3" x 2,3")

With optional head module:

249 mm x 85 mm x 58 mm

(9,8" x 3,3" x 2,3")

Screen size

High resolution 3.5 inches touchscreen display, Gorilla glass protected, ambient light sensor, LED backlight, automatic screen rotation (accelerometer).

Resolution

VGA (640 x 480 pixels), 65.536 colors

Communication interface

- USB
 - Wireless LAN
 - Bluetooth
 - Infrared
-

Fieldbus components

Operation

Operating system:

Microsoft Windows Embedded Handheld 6.5.3,
German or English (depending on the order)

Configuration

Configuration software:

- Device Xpert HART
 - Device Xpert FOUNDATION fieldbus
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Optional

- Wireless WAN
 - GPS
-

Fieldbus components

Certificates

Drop specification:

MIL-STD 810G

Electromagnetic Compatibility:

Interference conformance to

- EN 55022: 2006 + A1: 2007
- CISPR 22: 2006-03 (Class B)

Immunity conformance to

- EN 55024: 1998 + A1: 2001 + A2: 2003
- CISPR 24: 1998 + A1: 2001 + A2: 2003

Ingress protection:

IP65, NEMA Type 4

Explosion protection:

Intrinsically safe

II 2G Ex ia IIC T4 Gb IP64

II 2D Ex ia IIIC T135°C Db IP6X

CE Mark

Hazardous area approval:

- ATEX (Zone 1) IIC T4
- ATEX (Zone 21) IIIC IP 64
- IECEx (Zone 1) IIC T4
- IECEx (Zone 21) IIIC IP 64
- NEC Class I, Division 1, A-D T4
- NEC Class II, Division 1, E-G T4
- NEC Class III, Division 1

Telecommunication approval:

FCC, CE

Electrical safety:

UL (DEMKO), cULus listed

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