Field Xpert 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 (save areas) and Field Xpert SFX370 (explosion-hazardous areas).

Features and specifications

Fieldbus components

<table>
<thead>
<tr>
<th>Measuring principle</th>
</tr>
</thead>
</table>

More information and current pricing: [www.us.endress.com/SFX370](http://www.us.endress.com/SFX370)
## 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

**Optional**
- Wireless WAN
- GPS
Field Xpert SFX370

Fieldbus components

Certificates
Drop specification:
MIL-STD 810G

Electromagnetic Compatibility:
Interference conformance to
- CISPR 22: 2006-03 (Class B)

Immunity conformance to

Ingress protection:
IP65, NEMA Type 4

Explosion protection:
Intrinsically safe
II 2G Ex ia IIC T4 Gb IP64
II 2D Ex ia IIC 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

More information www.us.endress.com/SFX370