RFID TAG
Easy identification of measuring points for improved data access

Version for non-explosion hazardous area

Version for explosion hazardous area

Easy identification Devices can be identified without line of sight and even when a nameplate is no longer readable
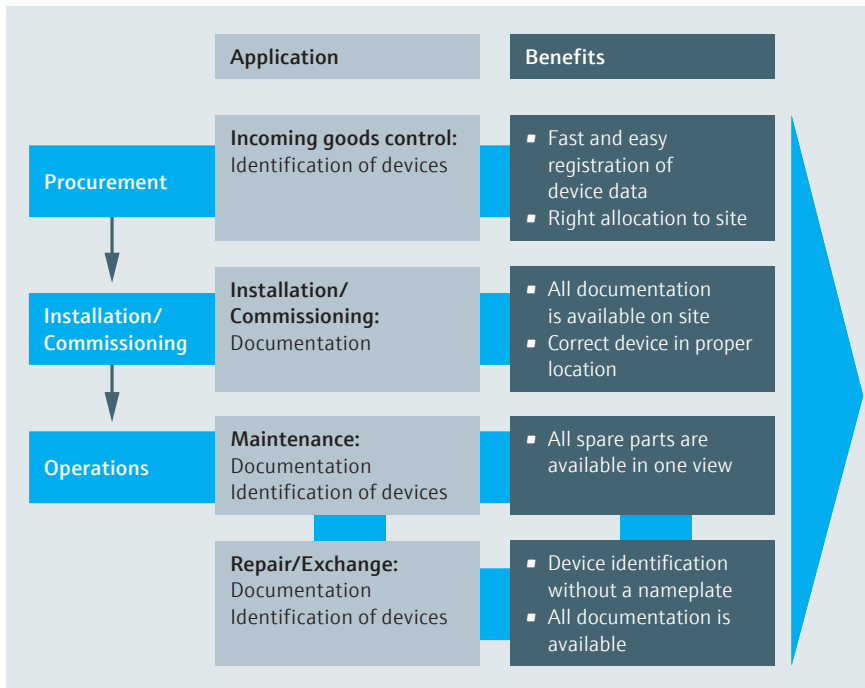
Easy access All device documentation can be locally accessed via the Operations app or Field Xpert

Open standard The NFC (Near Field Communication) standard is well known and works with most mobile devices

Every plant life cycle phase and all of the assets installed in a plant require data. Convenient and safe identification of measuring points (sometimes hundreds of them) is essential to avoid prolonged plant down times and failures in data acquisition. Illegible or unfavorably installed name plates blocking the view often impede or make name plate identification almost impossible. Correct identification in extremely soiled environments often takes a great deal of time. In addition, reading the plates may be impeded by vibrations.

The RFID TAG (Radio Frequency IDentification TAG) represents an appropriate solution. The established and robust NFC standard facilitates convenient and safe measuring point

identification. Visual contact of the name plate is not required if the mobile terminal is equipped with NFC technology. The integration of this open standard ensures that TAGs will also be serviceable in future and that a large number of terminals can be used. Interacting with the Endress+Hauser Operations app, the system makes technical documentation and information concerning spare parts available for any specific measuring point on site. This facilitates work across the entire product life cycle. Costs may be particularly reduced in installation, commissioning and maintenance. The Endress+Hauser "Installed Base Audit" service permits not only Endress+Hauser devices to be equipped with TAGs but also the measuring points of other manufacturers.

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	Application	Benefits
Procurement	**Incoming goods control:** Identification of devices	▪ Fast and easy registration of device data ▪ Right allocation to site
Installation/ Commissioning	**Installation/ Commissioning:** Documentation	▪ All documentation is available on site ▪ Correct device in proper location
Operations	**Maintenance:** Documentation Identification of devices	▪ All spare parts are available in one view
	Repair/Exchange: Documentation Identification of devices	▪ Device identification without a nameplate ▪ All documentation is available

Field Xpert SFX370   Endress+Hauser Operations app

Technical Data

Working frequency		(HF) 13.56 MHz
Data transfer rate		106 kbit/s
Communication		ISO/IEC 14443, Type A, NFC Forum Type 2, Text
Protection class		IP66/68
Housing material		Polyurethan (PUR)
Memory type/Capacity		EEPROM 888 byte (222 pages)
Ambient temperature		−25 to +70 °C (−13 to +158 °F)
Ex-Approvals		ATEX Zone 1/21; IECEx Zone 1/21
Chemical resistance	Alcohol, fuel	Ethanol, benzol
	Chemical water resistance	Acids, cleaner, chemicals
	Detergents, cleaner, solvents	P3 (Topactive 200, 500, Okto; Topax 66)

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