375 Field Communicator

- *Universal – HART® and FOUNDATION™ fieldbus*
- *User upgradeable*
- *Intrinsically safe*
- *Rugged and reliable*
- *Interfaces with AMS*

The 375 Field Communicator is designed to support all HART and all FOUNDATION fieldbus devices from all vendors.

Introduction

The 375 Field Communicator is the new standard in handheld communicators. Built on over ten years of experience with the 275 HART Communicator, user requirements drove the features of this next generation communicator.

HART users worldwide told us how to make a better communicator. Fieldbus users said they wanted a portable intrinsically safe communicator that supports all their fieldbus devices.

The result is the universal, user upgradeable, intrinsically safe, rugged and reliable 375 Field Communicator.

HART® FIELD COMMUNICATIONS PROTOCOL

Fieldbus Foundation

EMERSON™
Process Management

375 Field Communicator

Product Description

Building on the experience with the proven 275 HART Communicator, the 375 Field Communicator includes enhancements designed to simplify your work in the field. We designed the 375 Field Communicator user interface around the 275, leveraging the navigation features users told us they liked. Then we added powerful features including a much larger touch screen, HART Revision 6 support, and the ability to upgrade your 375 Field Communicator onsite using the Internet.

- See the difference.

The 375 Field Communicator runs on Windows CE, a robust, real-time, operating system. The display is 70% larger than that of the 275 HART Communicator and uses transflective technology, making it easy to read in both bright sunlight and in normal lighting. To make sure we covered all conditions, we added a multi-level backlight, allowing the display to be viewed in those areas of your plant with dim light. The touch sensitive display and large physical navigation buttons provide for efficient use both on the bench and in the field.

We made sure that the weight was evenly distributed for comfortable one-handed operation in the field.

- It is loaded!

The 375 Field Communicator has a processor that is 20 times faster than the 275. It features 32MB of application memory, 64 times more than the 275 HART Communicator. The Configuration Expansion Module holds hundreds of device configurations, and it is externally accessible. Enhancements in the battery pack allow a full recharge in 2 hours, 8 times faster than the 275 HART Communicator.

- *Easy Upgrade* keeps your communicator current.

If that's not enough to get your attention, the 375 Field Communicator is also user upgradeable via the Internet. This means it is no longer necessary to send your communicator anywhere to have new device drivers added.

375 Field Communicator Spare Parts List

Description	Part Number
Ruggedized 250 Ohm Load Resistor	00275-0096-0001
Rechargeable NiMH Battery Pack with Accessory Case	00375-0002-0011
Power Supply/Charger (90-240 VAC, 50/60Hz, US/UK/EU connection types included)	00375-0003-0011
Lead Set with connectors	00375-0004-0001
Mounting Straps	00375-0005-0002
Carrying Case (with straps)	00375-0005-0003
Accessory Case (clips to Carrying Case)	00375-0005-0004
Stylus (pack of 5)	00375-0006-0001
IRDA to USB Adapter (1)	00375-0015-0002
Expansion Port Plug	00375-0031-0001
System Card - HART® and FOUNDATION™ fieldbus	00375-0042-0002
System Card - HART with *Easy Upgrade* Option (2)	00375-0042-0003
System Card - HART and FOUNDATION fieldbus with Easy Upgrade Option (2)	00375-0042-0004
Configuration Expansion Module	00375-0043-0001
Stand and Utility Plate	00375-0044-0001
Getting Started Guide	00375-0045-0001
User's Manual	00375-0047-0001
Resource CD (3)	00375-0049-0001

(1) For use with AMS/375 Interface or 375 *Easy Upgrade* Programming Utility.

(2) Includes unlimited upgrades to System Card for 3 year period.

(3) Contains 375 Programming Utility and System Software/DD database.

375 Field Communicator Ordering Information

Model	Product Description
375	Field Communicator (1)
Code	**Communication Protocol**
H	HART
F	HART and FOUNDATION fieldbus
Code	**Battery Type**
R	Rechargeable NiMH Battery Pack
Code	**Power Supply/Recharger**
1	Power Supply/Recharger (90/240 VAC, 50/60Hz, US/UK/EU connection types included)
9	None (2)
Code	**Language**
E	English (standard)
Code	**Approval Certifications**
KL	CENELEC/ATEX, FM, CSA Intrinsically Safe (includes FISCO as applicable)
NA	No Approval
Code	***Easy Upgrade* (3)**
U	*Easy Upgrade* Option (includes unlimited upgrades to System Card for 3 year period)
9	Not Included
Code	**Options**
	Spare Battery Pack
B	Spare Rechargeable NiMH Battery Pack (4)
	Expansion Module
C	Configuration Expansion Module (5)
Typical Model Number:	**375 H R 1 E KL U**

(1) Base Model 375 includes Field Communicator Unit, System Card, Leadset with Connectors, Carrying Case, Getting Started Guide, User's Manual, 375 Resource CD, Stylus and Straps.

(2) This option should only be considered if the user already has a 375 Power Supply/Charger. Note: Only 375 Power Supply/Chargers may be used with the 375 Battery Pack.

(3) The *Easy Upgrade* capability allows the user to add new System Application software and Device Descriptions (DD's) to the 375. To upgrade without this feature, the System Card must be sent a Service Center.

(4) A fully charged battery pack is capable of delivering power for 8 hours of typical field use. If requirements exceed this specification, a second battery pack is recommended.

(5) The 375 is capable of storing a total of 25 configurations. For increased storage capacity, use the Configuration Expansion Module which is capable of storing in excess of 500 configurations.

Emerson Process Management
Asset Optimization Division
12001 Technology Drive
Eden Prairie, MN 55344 USA
T 1(512) 832-3235
F 1(952) 828-3033
www.fieldcommunicator.com

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