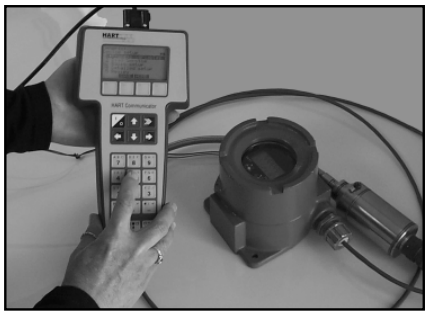
DYNISCO MODEL 275
HART® Communicator

Description
The standard HART Communicator, with 12 MB of memory, contains the device descriptions for all HART devices regardless of manufacturer. It also holds up to 10 configurations in the Memory Module. A keypad, liquid crystal display (LCD), and software menu structure make up the HART Communicator user interface. Just press a few buttons to become familiar with the Action Keys and menu structure, and you begin to access all of the functions of your HART devices.

Features
- HART digital communications
- Display – 8 line by 21 character (128 by 64 pixels) liquid crystal display
- Weight – approximately 3 lbs. (1.4 kg) with Ni - Cad battery pack
- Keypad – 25 large keys including 6 Action Keys, a complete alphanumeric keypad, 4 software - defined Function Keys; membrane design with tactile feedback

Benefits
- Configure and commission HART compatible device inline
- Displays necessary measurement and sensor information
- Lightweight, transportable
- Easy to use with simple scrolling menus



Specifications

Performance Characteristics
Operating limits: 32˚F to 122˚F (0˚C to 50˚C)
Humidity limits: Operates in 0 - 95% relative humidity under non - condensing conditions over the entire operating range of 32˚F to 122˚F (0˚C to 50˚C)
Hazardous locations certifications:
BASEEFA/CENELEC: Intrinsic safety certification
EEx ia IIC T4 Factory Mutual (FM): Intrinsically safe for Class 1, Division 1, Groups A, B, C and D. Non-Incendive for Class 1, Divisions 2, Groups A, B, C and D.
Canadian Standards Association (CSA): Intrinsically safe and non-Incendive systems; for harardous locations. Products Class 1, Groups A,B,C and D.
Electromagnetic Compatibility (EMC): EMC compliant only when the CE logo appears on both the keypad assembly and Memory Module. EN - 50081 - 1:1992, EN - 50082 - 1:1992
Battery pack options: Battery holder for 5 disposable AA 1.5 V batteries or Rechargeable Ni-Cad battery pack

Recharger Service and Plug Type:
110/120 VAC, 50/60 Hz, U.S. plug,
220/230 VAC European plug,
220/230 VAC, U.K. plug
Microprocessors: 32 - bit Motorola type 68331; 8 - bit Motorola type 68HC05
Connections:
Leadset: Two 4 mm banana plugs
Battery charger: 2.1 mm coaxial power connector (optional)
Serial port: 9 - pin D-subminiature socket
Memory module: 26 - pin, 2-row, 0.1 inch pitch connector
Memory:
Program (and device descriptions): 12 MB
Transmitter data (standard): 2 KB
Transmitter data (optional data pack 100): 321KB removable non-volatile memory

Physical Characteristics
Display: 8 line by 21 character (128 by 64 pixels) liquid crystal display
Keypad: 25 large keys including 6 Action Keys, a complete alphanumeric keypad, 4 software - defined Function Keys; membrane design with tactile feedback.
Weight: Approximately 3 lb (1.4 kg) with a Ni-Cad battery pack

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User Interface

The user interface contains a keypad, liquid crystal display (LCD), and software menu structure which make up the HART Communicator. The LCD is an 8 line by 21 character display that provides a window to all the functions of a HART compatible device. When connected to a HART device, the top line of each menu displays the model name of the device and its tag. The bottom line of each menu is reserved for a dynamic label for each function key, F1 through F4.

Online Menu

When connected to a HART compatible device, simply press the On Key to display the online menu. Six Action Keys promote easy navigation through the menu structure. This menu normally contains the most critical information about the connected device and your measurement, including: User-defined Tag, Actual Input (process variable), Actual Analog Output, Lower Range Value (LRV), and Upper Range Value (URV).

Ordering Guide

Model	Battery Pack Options		Language		Hazardous Location Certifications	
	Code	Description	Code	Description	Code	Description
	D9	Battery Holder for Disposable AA Batteries	E	English	I0	No Approval
275		Rechargeable NiCAD Battery Pack with:	F	French	I1	CENELEC - Intrinsic Safety Certification
	R1	100/120 V AC, 50/60 Hz, U. S. Plug or	G	German	I5	Factory Mutual (FM) - Intrinsic Safety Approval
	R2	220/230 V AC, European Plug or	J	Japanese	I6	Canadian Standards Association (CSA) -
	R3	220/230 V AC, U. K. Plug				Intrinsic Safety Approval

Memory Module Options		Fisher-Rosemount Data Pack 100	
Code	Description	Code	Description
		D1	Shipped with (1) data pack 100 installed
D	12 MB	D2	Shipped with (2) data pack 100s
		00	Shipped without data pack

Ordering Example: 275 - D - 9 - E - 10 - D - 00

Notes: 1. Typical Model 275D9EI0D00 includes HART Communicator, AA battery pack with batteries, leadset with MINIGRABBERTM and alligator clips, carrying case and pocket-sized instruction manual.
2. If the NiCAD battery pack is selected, one spare battery pack per HART Communicator is recommended.