

# Model 275 HART Communicator

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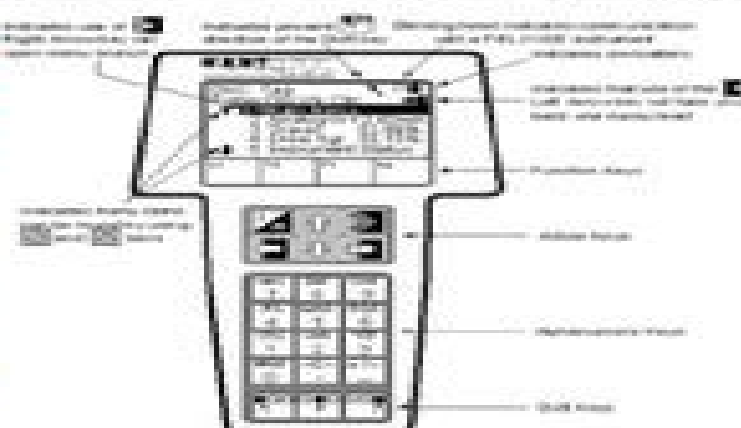


Figure 2. Model 275 HART Communicator

## Introduction

### Scope of Manual

This instruction manual includes calibration and configuration information for FIELDVUE<sup>®</sup> instruments, when used with the Model 275 HART<sup>®</sup> Communicator. Figures 1 shows the menu structure for the DVC5000 Series digital valve controller. Figure 2 shows the menu structure for the Type DT4000 digital transducer. For general information on servicing and specifications for the HART Communicator, see the *Product Manual for The HART Communicator*.

This instruction manual supports the Model 275 HART Communicator with device description 9. The manual describes the functionality of FIELDVUE instruments with Firmware Revision 4. It also applies to Firmware Revision 3, except as noted.

Only persons qualified through training or experience should operate the HART Communicator. If you have any questions about these instructions, contact your Fisher Controls sales office or sales representative before proceeding.

### Conventions Used in this Manual

To help you follow the path required to accomplish various tasks, the sequence of steps through the HART Communicator menus will be presented in textual format. An overview of the menu structure is shown in figures 3 and 4.

### Description

The HART (Highway Addressable Remote Transducer) Communicator is a hand-held interface to HART compatible field instruments, such as the DVC5000 Series digital valve controllers and the Type DT4000 digital transducer. The HART Communicator uses the Bell 202 frequency shift keying (FSK) technique. This technique superimposes high-frequency digital communication signals on the standard 4 to 20 mA current loop. Because the net energy added to the loop is zero, communication does not disturb the 4 to 20 mA signal.

### Specifications

Specifications for the HART Communicator can be found in the *Product Manual for The HART Communicator*. Please refer to that manual for information regarding specifications.

## The Model 275 HART Communicator

This section discusses the display, keypad, and menu structure for the HART Communicator, shown in figure 2. For information on connecting the HART communicator to the instrument, see the section *Connecting the HART Communicator to a FIELDVUE Instrument* in this manual. For more information on the HART Communicator, such as specifications and servicing, see the *Product Manual for the HART Communicator*.

# Hart Communicator Manual

**N Noddings**



## **Hart Communicator Manual:**

*Handbook of Construction Management for Instrumentation and Controls* K. Srinivasan, T. V. Vasudevan, S. Kannan, D. Ramesh Kumar, 2023-12-18 HANDBOOK OF CONSTRUCTION MANAGEMENT FOR INSTRUMENTATION AND CONTROLS Learn to effectively install and commission complex high performance instrumentation and controls in modern process plants In Handbook of Construction Management for Instrumentation and Controls a team of experienced engineers delivers an expert discussion of what is required to install and commission complex high performance instrumentation and controls The authors explain why despite the ubiquitous availability of diverse international standards and instrument manufacturer data the effective delivery of such projects involves significantly more than simply fitting instruments on panels The book covers material including site management administration operations site safety material management workforce planning instrument installation and cabling instrument calibration loop check and controller tuning results recording and participation in plant commissioning exercises It also provides an extensive compendium of forms and checklists that can be used by professionals on a wide variety of installation and commissioning projects Handbook of Construction Management for Instrumentation and Controls also offers A thorough introduction to site operations including the principles of equipment installation and testing Comprehensive explorations of quality assurance and quality control procedures from installation to pre commissioning to site hand over Practical discussions of site administration and operations including planning and scheduling site safety and contractor permits to work change and delay management Detailed discussion of the installation and commissioning of complex instrumentation and control equipment Perfect for specialty contractors and subcontractors general contractors consulting engineers and construction managers and as a reference book for institutes teaching courses on Industrial Instrumentation Handbook of Construction Management for Instrumentation and Controls will also benefit students looking for a career in instrument installation **The Army Communicator**, 1995 **Instrument Mechanic (Theory) - II** Mr. Rohit Manglik, 2024-05-18 EduGorilla Publication is a trusted name in the education sector committed to empowering learners with high quality study materials and resources Specializing in competitive exams and academic support EduGorilla provides comprehensive and well structured content tailored to meet the needs of students across various streams and levels *Online Public Access Catalog Training Manual* Illinois Fire Service Institute. Library, 2000

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