HART HAND HELD TERMINAL

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KONICS HHT500

As a portable terminal, HHT500 is used in combination with equipment using HART communication for setting, changing, displaying such as tag number, output mode and range, through simultaneous communication.

It also allows zero adjustments. HHT500 is used by connecting it between 4 to 20mA DC signal transmission lines of the equipment

FEATURES

- $\hfill\square$ Online monitoring and communication
- □ Common to all KONICS's equipment
- □ Easy to use
- Diagnostic / security with error messages
 - $\cdot\,$ Self-check function
 - $\cdot\,$ Security code protection of setpoints
 - $\cdot\,$ Low battery voltage alarm
 - $\cdot\,$ Automatic power off

SPECIFICATION

- Battery9V batteries
- □ Connections Leadset : Two 4 mm banana plugs.
- Communication Line
 Line length : Up to 2km (0.75 to 1.25mm² instrumentation cable)
 Load resistance : 250 to 600 (including cable resistance)
 Load capacitance : 0.22uF or less
 Load inductance : 3.3mH or less
 Power line spacing : 15cm or more (Avoid parallel wiring)
- Battery Alarm
 An alarm message appearing on the LCD announces low battery voltages.
- □ Automatic Power-off

The terminal is switched off automatically if no key access is made for approximately 5 minutes. A crossover wire between ARRESTER ground and ground or metallic housing of equipment is required for protection.

PERFORMANCE SPECIFICATION

- Operating Limits
 0 to 50 °C (32 to 122 °F)
- □ Storage Limits -20 to 70 °C (-4 to 158 °F)
- Humidity Limits
 Operates in 0-95% relative humidity under noncondensing conditions
 below 40 °C (104 °F) without error.
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PHYSICAL SPECIFICATION

□ Display

4-line by 16-characters liquid crystal display.

□ Keypad

25 large keys including six Action Keys, a complete alphanumeric keypad, four software-defined Function keys; membrane design with tactile feedback.

Weight Approximately 1.4kg

□ Dimension



HART COMMUNICATIONS

The Hart communicators' interfaces with any HART instrument from any wiring termination point in a 4 - 20mA loop, provided a minimum load resistance of 250 ohms is present between the communicator and power supply. The HART Communicator uses the Bell 202 frequency shift keying (FSK) technique.

This technique superimposes high-frequency digital communication signals on the standard 4 - 20mA transmitter current loop. Because the net energy added to the loop is zero, communication does not disturb the 4 - 20mA signal.

Model	Code	Product Description
HHT500-		HART Communicator
		Language
	E	English