General Specifications

Model JHT200
Handy Terminal

JUXTA

GS JF81-02E

■ General

As a portable terminal, the Model JHT200 Handy Terminal is used in combination with JUXTA Signal Conditioner using micro processor for setting, changing, displaying and printing out parameters such as tag number, input range through simultaneous communication. It also monitors I/O values and self-check results, sets alarm setpoints, and allows zero adjustments. The Model JHT200 Handy Terminal is used by connecting it to a dedicated connector on the Signal Conditioner when the Signal Conditioner is started up or maintained.

■ Features

● **Online monitoring and communication**
  The modulated communication signal dose not interrupt the signal conditioning during communication.

● **Common to all JUXTA**
  The Model JHT200 Handy Terminal works with all JUXTA Signal Conditioner that uses micro processor.

● **Easy of use**
  A large display (21 characters by 8 lines) eases setup and alteration procedures in English prompting interactive sequences.

● **Diagnostics / security with error messages**
 • Self-check function
 • Security code protection of setpoints
 • Low battery voltage alarm
 • Automatic power-off

● **Printer (JHT200-P00)**
  Printer prints out tag numbers and other parameters on the spot.

■ Standard Specifications

Applicable JUXTA:
  VJ series, J series, F series, W series, D series, M series computing units
Communication Signal Connection:
  Dedicated cable, 1.1 m long (3.6 ft)
Display: LCD dot matrix, 21 characters ✕ 8 lines
Controls: Membrane switches (four function keys, 20 general operation keys, and one power switch)
Printer (JHT200-P00): Thermal paper type
Power Supply: Five AA 1.5 V dry alkaline batteries
            (LR6/AM3 (N))
Dimensions:
  JHT200-N00: 228✕110✕51 mm (9.0✕4.3✕2.0 inch)
  JHT200-P00: 321✕110✕61 mm (12.6✕4.3✕2.4 inch)

Approximate Weight:
  JHT200-N00: 510 g (1.12 lb)
  JHT200-P00: 700 g (1.54 lb)

■ Functional Spesifications

Basic Functions
● Setup, alteration, and display of parameters JUXTA.
● Zero point adjustment

Additional Functions
● Batch upload/download of data
● Setpoint Protection:
  Security code entry is required to alter setpoints.
● 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.
● LCD contrast adjustment
● Printing (JHT200-P00)

Printout Information
● All parameter lists
● Parameter list within each menu item
● Setup change data list
● Uploaded data list
● Display images
● Self check list

■ Normal Operation Conditions

Ambient Temperature:
        –15 to 55°C (with a printer: 0 to 50°C)

■ Storage Conditions

Ambient Temperature: 0 to 50°C

■ Accessories

Communication Cable:
  Two cables, one with 3-pin connector and one with 5-pin connector
Cable Adaptor for VJ series
Five AA 1.5 V dry alkaline batteries
Handy carry case

YOKOGAWA ◆

Yokogawa M&C Corporation

■ EMC Conformity Standards

For EMI (Emission) - EN55011: 1991

Test Item	Frequency Range	Basic Standard
Applicable Electromagnetic Radiation Disturbance	30 – 1000 MHz	EN55011 Class A Group 1

For EMS (Immunity) - EN50082-2: 1995

No.	Test item	Test specification	Basic standard	Performance criteria
1	Electrostatic discharge	4 kV (contact) 8 kV (air)	IEC 1000-4-2: 1995 Level 3	B
2	Radio - frequency electromagnetic field Amplitude modulated	80 MHz - 1 GHz 10 V/m (unmodulated) 80 % AM	IEC 1000-4-3: 1995 Level 3	A
3	Radio - frequency electromagnetic field Pulse modulated	900 MHz 10 V/m (unmodulated) Duty 50 %, 200 Hz REP.		A
4	Fast transients common mode	2 kV, 5/50 (Tr/Th) ns 5 kHz REP.	IEC 1000-4-4: 1995 Level 3	B
5	Radio-frequency common mode Amplitude modulated	150 kHz - 80 MHz 10 V (unmodulated) 80 % AM (1 kHz) Source Impedance 150 Ω	Draft IEC 1000-4-6: 1995 Level 3	A

Note: Definition of performance criterion A
        This apparatus continues to communicate with the transmitter and to display or print out parameters during the test.
Note: Definition of performance criterion B
        This apparatus continues to operate without falling in uncontrollable condition during the test.
        No change of actual operating state or stored data is allowed.

■ Model and Suffix Code

Model	Suffix Code		Description
JHT200			Handy Terminal
Printer	-N		With no printer
	-P		With printer
———		00	Always 00
Options *1		/ B1	With Ni-Cd battery pack and chager
		/ B2	With Ni-Cd battery pack

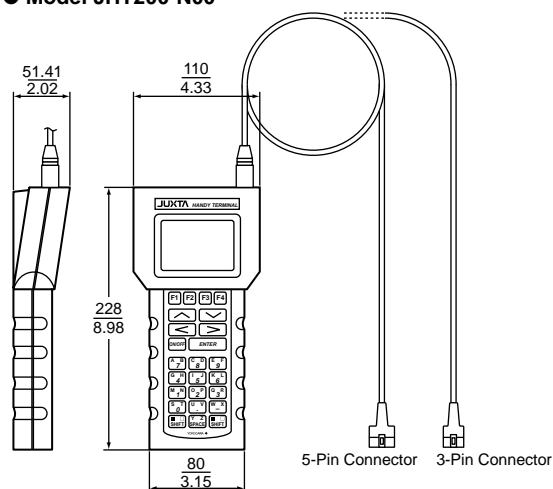*1: Alkaline dry batteries (5 ea.) are not furnished for /B1 and /B2.

■ Ordering Information

Model and suffix codes

■ Part Numbers

Item		Parts No.
Communication cable	with 3-pin connector	F9182ED
	with 5-pin connector	F9182EE
Cable adaptor for VJ series		E9786WH
Roll paper		F9182DS
Battery chager (for 100V AC)		F9182CS
Ni-Cd battery pack		F9182CX
Handy carry case		F9182BP
Printer Assembly		F9182AS

■ Dimensions

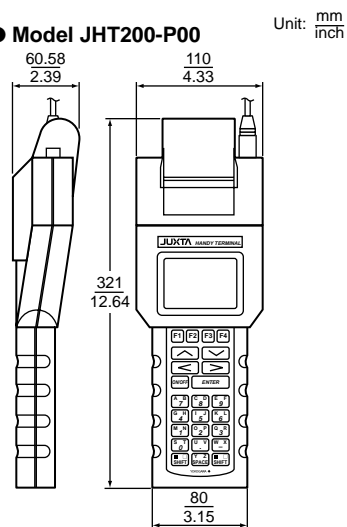● Model JHT200-N00

Unit: mm/inch

51.41 / 2.02   110 / 4.33   228 / 8.98   80 / 3.15

5-Pin Connector   3-Pin Connector

● Model JHT200-P00

60.58 / 2.39   110 / 4.33   321 / 12.64   80 / 3.15

Subject to change without notice for gradeup quality and performance.