

FOR YOUR INFORMATION ONLY

Ref No. 2711747-8 A1 (1/3)

☐ For customer approval
☒ For reference

OMRON

OMRON Corporation
APLOCATOPN SENSORS
AYABE FACTORY

To: _____



PRODUCT SPECIFICATION

Product Name: ID SYSTEM Handheld Reader Writer

Part Number: V600-CH1D

☒ Please receive this specification.

☐ Please return one (1) copy of this specification by _____ in proof of your receipt.
The approval for this specification will orally be confirmed by us later.

Confirmation of Receipt

DISTRIBUTION		REVISION HISTORY		
DIST.	COPY	LTR	DATE	BY
CUSTOMER		A1	020529	IKEDA

Date Issued: _____

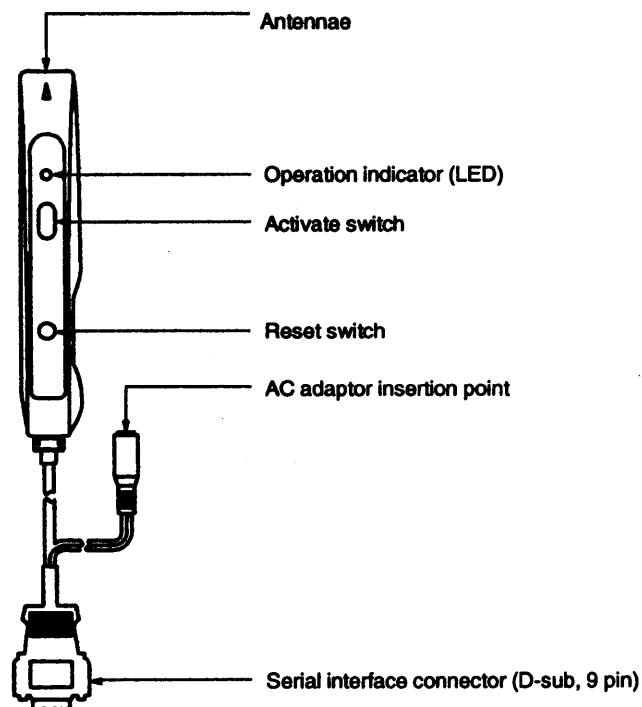
Prepared by: K. Ikeda

Checked by: K. Morishita

Approved by: K. Morishita

1. Rating

- | | |
|--------------------------------------|---|
| 1.1 Power supply voltage | 5V DC from AC Adaptor |
| 1.2 Permissible power supply voltage | 5V DC $\pm 5\%$ |
| 1.3 Current consumption | 250mA max. |
| 1.4 Insulation resistance | 50M Ω min. (at 500V DC)
between cable terminals and case. |
| 1.5 Dielectric strength | 1000V AC, 50/60Hz for 1min(1mA max.)
between cable terminals and case. |
| 1.6 Vibration resistance | 10 to 150Hz, 0.3mm double amplitude for
4 sweeps of 8min each in X,Y and Z directions. |
| 1.7 Shock resistance | 300m/s ² , 3times
each in X,Y and Z directions. |
| 1.8 Weight | Approx. 180g (including connector and cable) |

2. NomenclatureV600-CH1D Handheld Reader Writer

Name	Function
Operating indicator	Green; Lit when the Unit's communication has been completed without any error. Lit on and off when the communication condition has Reset. Red ; Lit when the error has occurred.
Operating switch	Communicated to the Data Carrier when you press the switch.
Reset switch	Reset the system condition, continuing to press when the power is on.

3. Construction

- 3.1 Outline drawing Drawing No.; 3306440-8
- 3.2 Degree of protection IEC60529 IP63, IPX3(JISC0920)
- 3.3 Material ABS resin

4. Host Communications Interface Specifications

Connectors	9-pin D-sub connector
Standard	RS-232C
Transmission connection	1:1
Communications method	2-wire, half duplex
Synchronization method	Start-stop (stop bits: 1 or 2)
Baud rate	2400/4800/9600/19200 bps (See note.)
Transmission code	ASCII (7-bit) or 8-bit JIS code
Transmission control protocol	1:1
Error detection	Vertical parity (even, odd, none)
Cable length	2.5m

Note: The baud rate is to be set according to the setting command issued from the host unit.

Pin No.	Signal number name	Direction
1	-	-
2	SD	Host→V600-CH1D
3	RD	Host←V600-CH1D
4	-	-
5	SG	Host←→V600-CH1D
6	DS	Host←V600-CH1D
7	RS	Both signals are connected inside the connector.
8	CS	
9	-	-

5. Standard Test Condition

- 5.1 Ambient temperature 23℃
- 5.2 Ambient humidity 65%RH

6. Storage condition

- 6.1 Ambient temperature -25 to +65℃
There should be no freezing.
- 6.2 Ambient humidity 35 to 95%RH
There should be no condensation.
- 6.3 Surrounding conditions Do not apply the exceeded pressures, shock or corrosive gas to the package which should deform the product.

7. Condition of use

- 7.1 Ambient temperature** -10 to +55°C
There should be no freezing.
- 7.2 Ambient humidity** 35 to 85%RH
There should be no condensation.

7.3 Surrounding conditions

- (1) Do not expose the product to corrosive gas such as hydrogen sulfide gas, organic solvent and so on.
- (2) Avoid the direct sunlight.
- (3) Otherwise, avoid from condition to damage characteristics.

7.4 Note

- (1) Be sure to push those switches.

8. Other Information**8.1 Safe usage and handling**

- (1) Safety measures to deal with possible failure of this product should be taken when designing with this product.
- (2) All conditions relating to usage and storage of this product are governed by the accompanying documentation, including notices and warning in the instruction sheet/manual, catalogue and specification.
- (3) A high level of safety standards should be practiced when using this product for critical applications such as nuclear power controllers, railroads, aircraft, automobiles, combustion equipment, medical instrumentation, amusement equipment/machines and safety equipment. Implementation of fail-safe circuits and practice of safety margin for ratings or performances are highly recommended.
- (4) In the event of failure or malfunction with this product, contact our nearest sales offices as soon as possible.

8.2 Warranty period

This product is covered by a one year warranty period from the date delivery.

8.3 Warranty coverage

If this product is determined to be defective at any time during the warranty period, we will replace or repair the defective product or parts at site where delivered or at place of purchase without charge. This warranty, however, is invalid in the following situations:

- (1) Failure of the product due to misapplication after delivery;
- (2) Unauthorized modifications or repair;
- (3) Misuse or willful damage to the product;
- (4) Non-compliance with these guidelines on safe usage and handing outlined in 8.1 above;
- (5) Failure or malfunction due to natural disasters.

8.4 Service coverage

The price of this product does not include charges for on-site repair or other services. Please contact our nearest sales office for further details.