

Handheld Reader Writer V600-CHUD

Equipped with a USB Interface. Simply connect to a personal computer or handheld terminal to use. No power supply needed.

- The Read/Write (R/W) Heads and ID Controller are integrated in a compact, lightweight design.
- Simply connect the Handheld Reader Writer to a personal computer or handheld terminal with a USB host function to use.
- The ability to communicate with V600-series Data Carriers enables use in existing systems.



Ordering Information

List of Models

Name	Model
Handheld Reader Writer (USB) 0.8 M	V600-CHUD 0.8 M
Handheld Reader Writer (USB) 1.9 M	V600-CHUD 1.9 M

Specifications

Handheld Reader Writer

Item	Model	V600-CHUD 0.8M	V600-CHUD 1.9M
Power supply voltage		5 VDC±5%	
Current consumption		250 mA max. (for a power supply voltage of 5.0 V)	
Insulation resistance		50 MΩ min. (at 500 VDC) between connector and case	
Dielectric strength		1,000 VAC, 50/60 Hz for 1 min (1mA max.) between connector and case	
Vibration resistance		Destruction: 10 to 150 Hz, 0.2-mm double amplitude, with 10 sweeps of 8 min each in 6 directions	
Shock resistance		Destruction: 150 m/s ² , 3 times each in 3 directions	
Ambient operating temperature		-10 to + 55°C	
Ambient operating humidity		35% to 85% (with no condensation)	
Ambient storage temperature		-25 to + 65°C	
Ambient storage humidity		35% to 85% (with no condensation)	
Degree of protection		IEC 60529: IP63 (See note.)	
Cable length		0.8 m	1.9 m
Weight		Approx. 120 g (including connector and cable)	

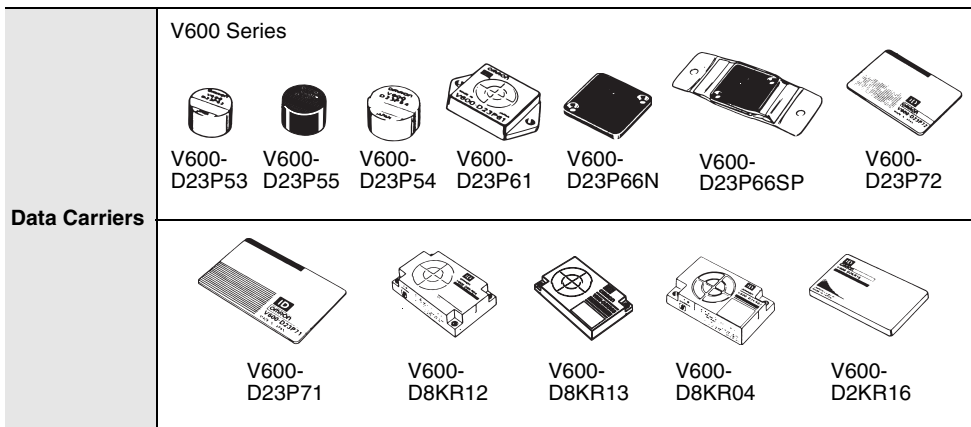
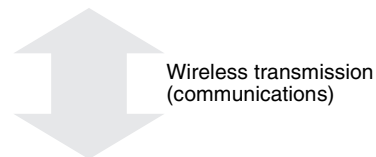
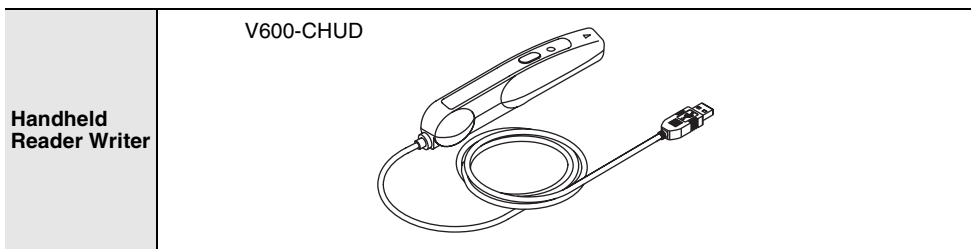
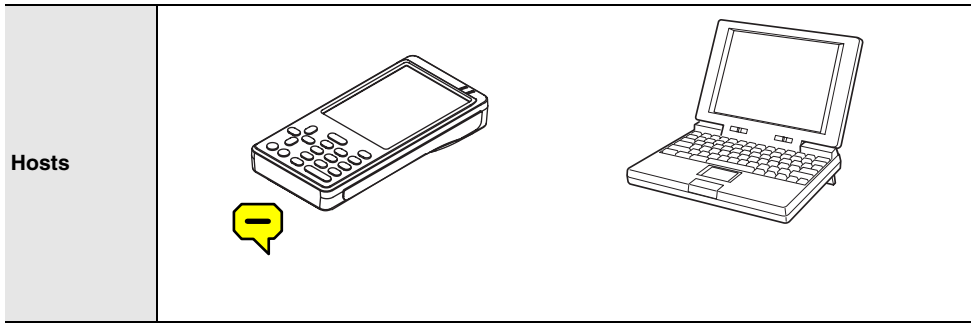
Note: This does not include the connector section. The main unit is not resistant to chemicals or oils.

Host Communications Interface Specifications

Item	V600-CHUD 0.8M/V600-CHUD 1.9M
Interface connector	Series A plug
USB version	Ver 1.1
Communications speed	Full speed (12 Mbps)
Device class	COM class (See note.)

Note: Treated as the COM port of the host unit.

System Configuration



Functions

- User-specified data stored in Data Carriers can be read and written.
- Special commands enable reading and writing across the memory areas for multiple addresses in one operation.
- Communications with a Data Carrier can be started with commands from the host or with a start button on the Reader Writer.
- Japanese Kanji codes can be written and then automatically converted for display when reading.
- For details, refer to the ??? V600-CHUD User's Manual (Cat. No. ???).

Operation

■ Transmission Distances (Recommended Combinations)

Communication is possible with the V600-series Data Carriers presently being marketed.

Handheld Reader Writer		V600-CHUD
Data Carrier (dimensions: mm)		
EEP-ROM	V600-D23P53 (Dia. 8 × 5)	0 to 2.5 mm
	V600-D23P54 (Dia. 12 × 6)	0 to 4 mm
	V600-D23P55 (Dia. 8 × 5)	0 to 10 mm
	V600-D23P61 (36 × 24 × 6)	0 to 11 mm
	V600-D23P66N (34 × 34 × 3.5)	0 to 17 mm (See note 2.)
	V600-D23P66SP (95 × 36.5 × 6.5)	0 to 12 mm
	V600-D23P71 (86 × 54 × 1.5)	0 to 25 mm
	V600-D23P72 (50 × 34 × 1.5)	0 to 23 mm
S-RAM	V600-D8KR12 (65 × 40 × 15)	0 to 25 mm
	V600-D8KR13 (86 × 54 × 10.3)	0 to 20 mm
	V600-D2KR16 (65 × 40 × 5)	0 to 10 mm
	V600-D8KR04 (86 × 54 × 20)	0 to 35 mm

- Note 1.** Data Carrier Installation Conditions
- V600-D23P53/P54: Embedded in iron.
 - V600-D23P55: Embedded in resin.
 - V600-D23P61: Metal (iron) on the back surface of the Data Carrier.
 - V600-D23P66N/P66SP/P71/P72: Resin on the back surface of the Data Carrier (no metal (iron) on the back surface)
 - V600-D8KR12/-D8KR04: Metal (iron) on the back surface of the Data Carrier.
 - V600-D2KR16: Data Carrier installed on a bracket (V600-A81) and attached to a metal (aluminum) plate.
- 2.** When using the V600-D23P66N at temperatures lower than -10°C, transmission may not be possible at short distances. In this case, move the Reader Writer away from the Data Carrier.

■ Diagnostic Functions

Diagnostic Functions	Checks for CPU errors and transmission errors.
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Precautions

⚠ WARNING

To ensure safety, do not use this product to directly or indirectly detect people. Do not use this product as a detection device to protect people.



S-RAM Data Carriers have a built-in lithium battery which may occasionally cause serious injury by catching on fire, bursting, or burning. Treat the products as industrial waste when disposing of them. Do not disassemble them, alter their shape by applying pressure, or heat or incinerate them at 100°C or higher.



SAFETY PRECAUTIONS

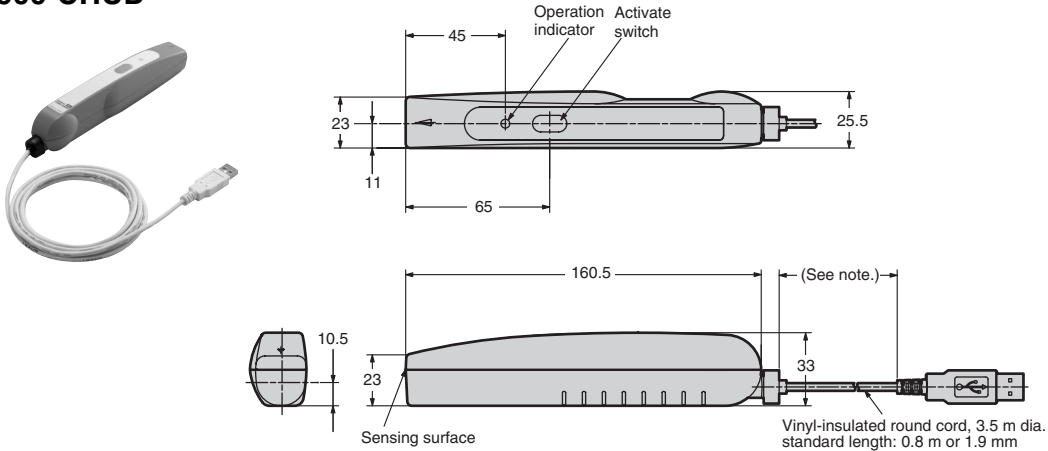
- Observe the following precautions to ensure safe product use.
- Do not use in environments that include inflammable, explosive, or corrosive gases.
 - Do not disassemble, repair, or modify the product.
 - Observe all cautions, notes, and precautionary points given in this document.
 - In the event of an abnormal smell, extreme heating of the product, smoke, etc., stop using the product immediately and turn OFF the power.
 - When disposing of the product, treat it as industrial waste.

Dimensions

Note: All units are in millimeters unless otherwise indicated.

Handheld Reader Writer

V600-CHUD

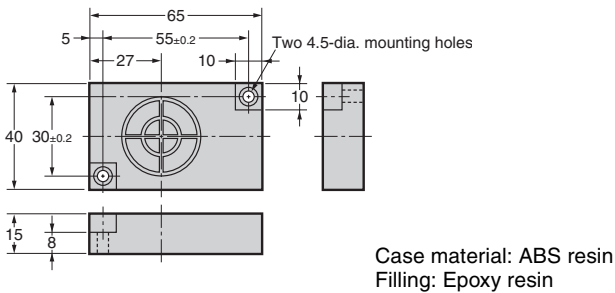


Note: V600-CHUD 0.8M: 0.8 m
 V600-CHUD 1.9M: 1.9 m
 Case material: ABS resin
 Nameplate material: PET resin

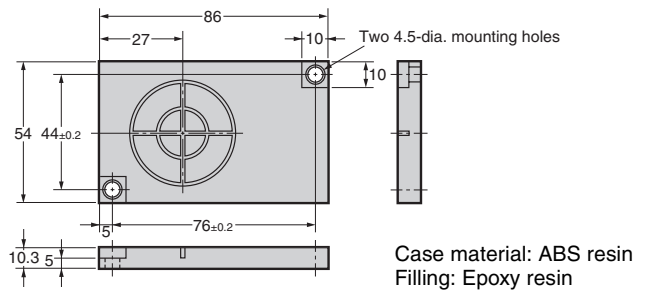
V600-series Data Carriers

Built-in-battery Type

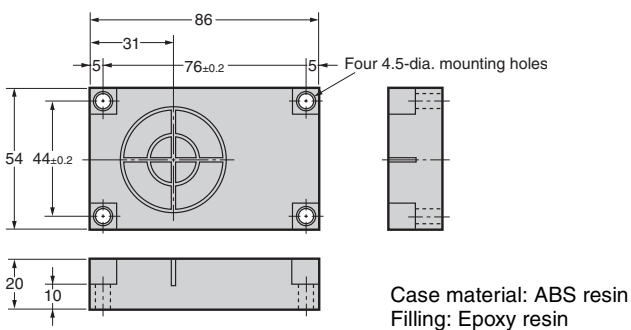
V600-D8KR12



V600-D8KR13

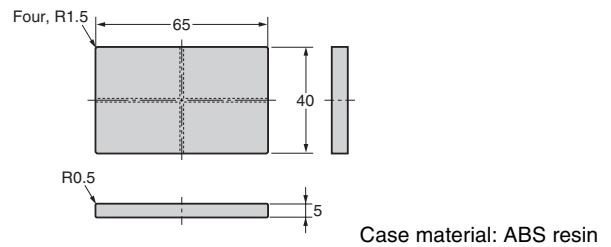


V600-D8KR04



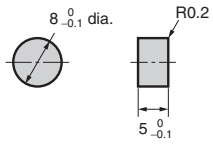
Replaceable-battery Type

V600-D2KR16



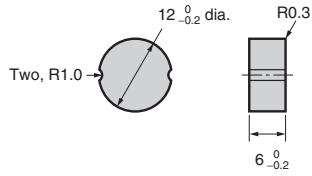
Battery-less Type

V600-D23P53



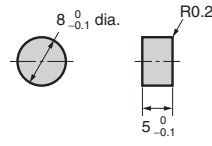
Case material: ABS resin
Filling: Epoxy resin

V600-D23P54



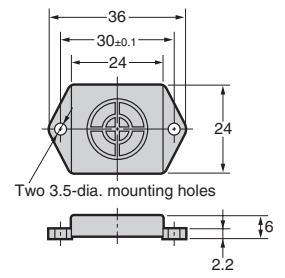
Case material: ABS resin
Filling: Epoxy resin

V600-D23P55



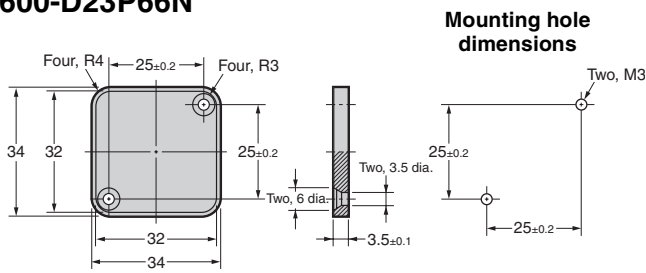
Case material: PPS resin
Filling: Epoxy resin

V600-D23P61



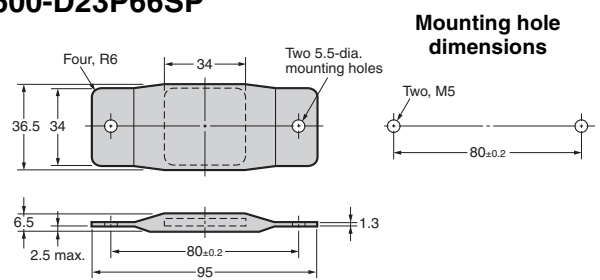
Case material: ABS resin
Filling: Epoxy resin

V600-D23P66N



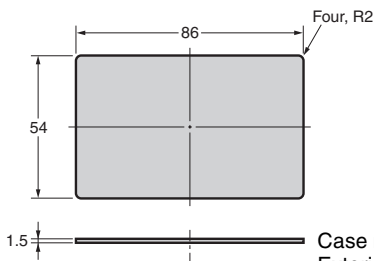
Material: PPS resin

V600-D23P66SP



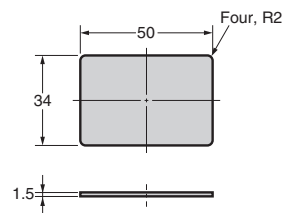
Exterior: PFA resin

V600-D23P71



Case material: Glass epoxy resin
Exterior: Polyurethane resin

V600-D23P72



Case material: Glass epoxy resin
Exterior: Polyurethane resin

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Cat. No. NTLP??? **In the interest of product improvement, specifications are subject to change without notice.**

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