Handheld 2D Code Reader

Target, Touch & Go

The V400-H combines highest reading performance and ease of operation for mobile applications. The built-in LCD monitor helps to target the right position for V400-H in order to read the code and to display the measurement result immediately. Thanks to the excellent reading performance, direct marked or strongly degraded codes can be identified. The read 2D code can be stored on SD card or exported to a PC for further processing. The V400-H supports the traceability of components in assembly lines, were fixed readers do not fit.

- Easy to use Target, Touch & Go
- · Build-in LCD monitor for immediate display of results
- Accurate reading of direct print marks
- · Variable field of view



Application

Examples of Typical Applications 2D Codes on Metallic Parts



2D Codes on Printed Circuit Boards



2D Codes on LCD Glass Panels



2D Codes on Electronic Components (Crystal oscillators, ICs)



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System Configuration

The Code Reader can be connected with other equipment via RS232C.



Ordering Information

Main Unit

Name	Model	Specifications		Remarks
		Communications interface	Field of vision	Remarks
2D Code Reader	V400-H111	RS-232C	5 × 5 to 10 × 10 mm	
	V400-H211	RS-232C	15 × 15 to 30 × 30 mm	

Accessories (Purchase separately)

Name	Model	Cable length	Remarks	
Contactor	V400-AC2		Contactor for positioning (detachable)	
Communications Cable	V400-W20-2M	2 m	For SYSMAC Series connection	
	V400-W20-5M	5 m	(with power cord)	
	V400-W21-2M	2 m	For PC-compatible connection (with power cord)	
	V400-W21-5M	5 m		
	V400-W22-2M	2 m	For PC-compatible connection	
	V400-W22-5M	5 m	(when using AC Adaptor)	
AC Adaptor	V600-A22			

Rating and Specifications

Item	V400-H111	V400-H211		
Field of vision	5 × 5 to 10 × 10 mm	15 × 15 to 30 × 30 mm		
Working distance	40 mm (flush when Contactor is mounted)			
Power supply	5 VDC ±10%			
Current consumption	1.0 A max.			
Serial interface	RS-232C			
Applicable codes	Data Matrix, ECC200, 10 × 10 to 64 × 64, 8 × 18 to 16 × 48, QR Code (Models 1, 2), 21 × 21 to 57 × 57 (Versions 1 to 10)			
Operation method	Pressing the trigger button			
Settings	Make settings by using the manual setting window, uploading from an SD Memory Card, or by using Support Software.			
Memory card	SD Memory Card			
Monitor	1.8 inch TFT LCD, displaying images and read data			
Display illumination	Operation display, memory card access			
Ambient temperature	Operation: 0 to 40 °C; storage: -25 to 60 °C			
Ambient humidity	35 to 85% (with no condensation)			
Ambient conditions	No corrosive gases			
Vibration resistance	10 to 150 Hz, single amplitude 0.35 mm (50 m ² /s max. acceleration)			
Shock resistance	150 m ² /s in ±X, Y, and Z directions, 3 times			
Weight	Approx. 230 g			
Degree of protection	IEC 60529 IP64			
Materials	Case: ABS; optical surface: PC; display surface: PMMA			

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Dimensions (Unit: mm)

Main Unit **Communications Cable** V400-H111 V400-W20-2M/W21-2M V400-H211 Bush ower Indicator (green) und cable. 5.4-dia. conducte ed ro Standard length: 2 m 7 D-sub 9-pin connector Nameplate V400-W20-5M/W21-5M Buzz Trigger Buttons ory Card Slo 29.8 500 5.000 200 1 Bush 0 30 -10m nector be ß \$ Vinyl-insulated round cable, 6.1-dia with 8 conductors Standard length: 2 m 9.2 Vi P with 4 conductors Standard length: 2 m D-sub 9-pin connecto 22 Zoom Le V400-W22-2M und cable, 2 x 2-dia with 2 cc 29.8 2,000 dard length: 0.2 m 200 Connector ľ 0 Bush È m Cor 30 **Dim** Į 12.6 dia. Vinyl-insulated round with 4 conductors Standard length: 2 m D-sub 9-pin connector Illumination Reading Port Illu V400-W22-5M Vinyl-insulated round cable, 2 x 2-dia. with 2 conductors Standard length: 0.2 m 29.8 5,000 AC Adaptor 200 Connector V600-A22 6 Bus 25.4 <u>נ</u>ר) ¶)°≞ 12.6 dia nnector Vinyl-insulated round cable, 6.1-dia with 8 conductors Standard length: 2 m 0 ted ro und cable. 5-dia Vir D-sub 9-pin connector ith 4 condu onductors rd length: 2 m St Contactor V400-AC2 54

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

Cat. No. Q146-E2-01-X

2-01-X In the interest of product improvement, specifications are subject to change without notice.