KEYENCE

VT2-5SB
5-inch QVGA STN Colour Touch Panel

This model has been discontinued.
Compliance with the certification standard is ensured as of the time of shipment from our company.

Contact Us: 1-800-88-1358

Recommended Replaceable Products: 5-inch QVGA TFT color touch panel, DC power type - VT3-Q5TA

Specifications

Model				VT2-5SB
General specifications	Current consumption			900mA or less
	Ground			Class D grounding (Class 3 grouding).
	Structure			Panel-mount type, only the operation part of the front surface has dustproofing and splashproofing equivalent to IP65f.
	Overvoltage category			I
	Pollution degree			2
	Power voltage			24 VDC ± 10%
	Noise resistance			1,500 Vp-p, pulse width : 1 µs (common mode, by way of a noise simulator)
	Withstand voltage			1500 VAC 1 minute (between power terminal and housing)
	Insulation resistance			5 MΩ or more, tested with a 500 VDC megger (between the power supply terminal and the case)
	Operating environment			Minimal amount of dust and corrosive gas present
	Ambient operating temperature			0 to +50°C[*1]
	Ambient operating humidity			35 to 85%RH (No condensation)[*2]
	Ambient storage temperature			-10 to +60°C (no freezing)
	Ambient storage humidity			35 to 85%RH (No condensation)[*2]
	Vibration resistance	Intermittent vibration	Frequency : 10 to 57Hz	Amplitude : 0.075 mm[*3]
			Frequency : 57 to 150 Hz	Acceleration : 9.8 m/s^2[*3]
		Continuous Vibration	Frequency : 10 to 57Hz	Amplitude : 0.035 mm[*3]
			Frequency : 57 to 150Hz	Acceleration : 4.9 m/s^2 [*3]
	Weight			Approx 1050g
Performance specifications	Displaypanel	Display elements		STN color LCD
		Display colour		4,096 colours
		Number of dots		W 320 x H 240 dots
		Active display area		W 118.2 mm x H 89.4 mm
		Service life (normal temperature andhumidity)		Approx. 50,000 hours

	Backlightlamp	System	Cold cathode tube (replaceable)
		Life-span	Approx. 20,000 hours
	Touchswitch	Number of switches	20 × 15/screen
		System	Matrix resistive membrane type
		Operating force	0.98N or less
		Life-span	1,000,000 times or more
	Character font		Outline font, bitmap font, stroke font
	Communication function	PLC host link	KEYENCE; Mitsubishi; Omron; Sharp; Fuji Electric; YASKAWA Electric Corporation; Hitachi; Panasonic; JTEKT Corporation (Toyoda Machine Works Ltd.); KOYO ELECTRONICS INDUSTRIES Co., Ltd.; Yokogawa Electric Corporation; TOSHIBA CORPORATION; TOSHIBA MACHINE C
		General-purpose communication	By way of dedicated commands
	Screen data internal memory	Memory capacity	12 MB
		Number of pages that can be registered	Up to 1024 pages
		Number of screens that can be registered	1,024 maximum
			Page number : 0 to 8,999, global window number : G000 to G999
	Calendar timer		Accuracy : ±40 seconds/month (25°C), backup : primary lithium battery (5-year life or more, 25°C)
	Data backup	Screen data	Flash ROM can be erased 100000 times
		Recording data	SRAM backup : primary lithium battery

*1 These are the values when only the main unit is installed with a vertical orientation.
*2 When the ambient temperature is higher than 40°C, please use it in the condition of an absolute humidity of 85%RH at 40°C.
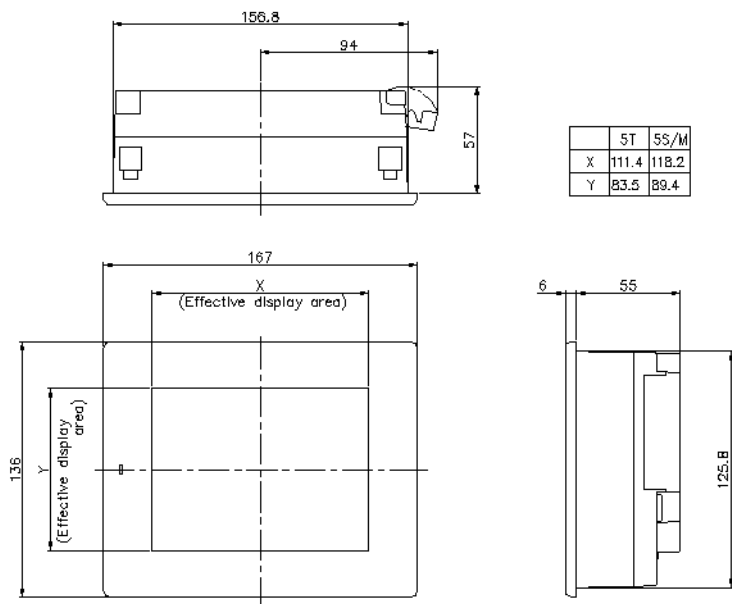*3 Conforms to JIS B 3502, IEC61131-2
Number of sweeps : 10 times respectively in the X, Y, and Z directions (80 minutes)

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

VT2-5T/5S/5M

VT2-5

	5T	5S/M
X	111.4	118.2
Y	83.5	89.4

When mounting bracket is attached

Panel cutout