DATALOGIC - VSM VISION SENSOR MONITOR

DATAVS2-VSM
DataVS2-VSM VSM monitor for D2

- Fits all DataVS2 models
- Monitor with 3.5″ LCD colour display
- Uses interface with 8 push buttons, 8 LEDs
- Display of images, results and statistics

PRODUCT DESCRIPTION

VSM is an external monitor compatible with all DataVS2 models. The unit shows images, results and statistics of the checks that the sensor carries out. The parameters can also be finely adjusted via the monitor.

Formulas that are stored in the sensor or in the VSM unit can be changed via the monitor. The monitor has a memory for 20 formulas.

The monitor can be connected via a LAN network to be able to access several sensors with the same monitor.

TECHNICAL DATA

Supply voltage	24 V DC ±10 %
Ripple	2.4 Vpp max.
Current consumption	Max. 150 mA at 24 VDC
Indication	8 LED, 3.5″ LCD colour display
Connection	2 x M12 4-pole
IP-class	IP20, (IP40 panel mounted in the front)
Encapsulation material	ABS
Weight	180 g
Working temperature	-10 to +55 ºC

VERSION

1. Monitor 3.5″ LCD colour display 320x240 pixels		6. ARROW buttons	
2. Status LED		7. M12 connection for Ethernet	
3. STATUS button		8. ESC button	
4. TEACH button		9. SET button	
5. M12 connection for supply voltage		10. Supply, Outputs, Ethernet LED	

DISPLAY

Read field

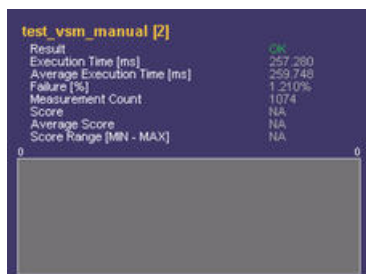| Mode	Example	Enable	Description
Standard			The monitor shows the vision sensor's image in full screen. The following information is also displayed: • Name of the inspection • ROI • Results of the inspection • Output status
Tool Result		DOWN ARROW	This picture displays the results of a tool in the relevant picture. The results of all tools can be displayed by using: RIGHT/LEFT ARROWS
Display On Condition		ESC BUTTON	This mode displays only those pictures that meet the criteria that have been specified in the configuration of the inspection with DataVS2 GUI

|			
Zoom Mode		UP ARROW	The picture from the sensor is shown in the monitor with 200% zoom. The ARROW buttons are used to move the zoom areas. Press ESC to exit zoom mode.
Statistics	 	SET BUTTON	Statistics on the inspection results displayed on the monitor: • Result - OK / FALE • Execution time (ms) - total time of the inspection • Failure % - % failure of the total number of inspections Statistics on each tool individually can be displayed by pressing on STATUS. Use UP/DOWN ARROWS to change between tools Use RIGHT/LEFT ARROWS to change the scale of the graphics.
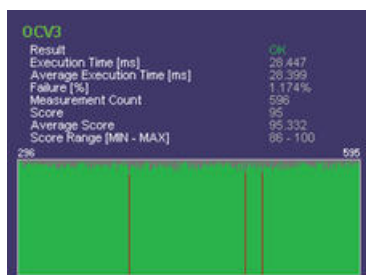
DIMENSIONS
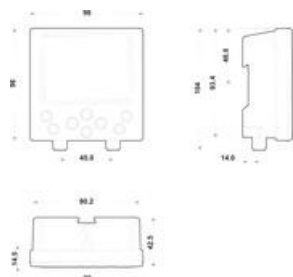
CONNECTION
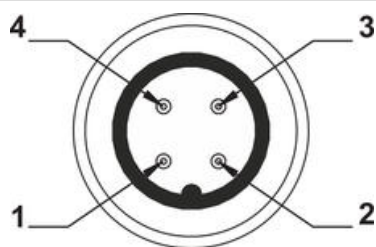
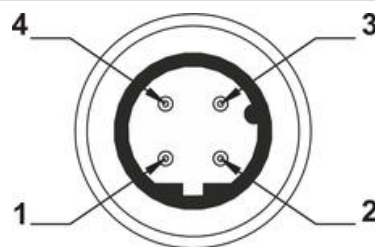|	
M12 4 pole male (Supply voltage)	M12 4-pole D-coded male (Ethernet)
Pin 1: +24 VDC	Pin 1: Ethernet RX+
Pin 2: Not used	Pin 2: Ethernet TX+
Pin 3: 0 V	Pin 3: Ethernet RX-
Pin 4: Not used	Pin 4: Ethernet TX-

Point-to-point connection

LAN connection
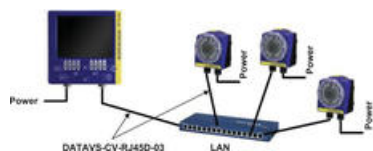
ORDER NUMBER

Order number	Description
DATAVS2-VSM	Monitor for DataVS2
DATAVS-CV-VSM02	Point to point cable 2m
DATAVS-CV-VSM04	Point to point cable 4m
DATAVSCVRJ45D03	Ethernet cable 3m

OTHER DOCS.

MANUALS

Description	File format	
Quick Manual	PDF	Download
Manual	PDF	Download

SPECIFICATIONS

Electrical connection	M12 4 pole connector
IP Class	IP20
Material Protection	ABS plastic
Power consumption max	0,15 A
Temperature range from	-10 °C
Temperature range to	55 °C
Voltage DC max	24 V
Voltage DC min	24 V
Voltage Tolerance	10%

4   3
1   2

DATAVS-CV-VSM-xx
Power   Power

4   3
1   2

Power
DATAVS-CV-RJ45D-03   LAN
Power
Power
Power

96
96
45.0

104
93.4
48.0
14.0

90.2
14.5   42.5
96