



User Manual

Industrial monitors SEM15-FP BC120

VISCOTECH

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1 safety instructions

1. Read the following instructions completely
2. Keep the manual for the future.
3. Follow all instructions and warnings that are noted on the product itself.
4. Do not use liquid or caustic cleaning agents. For cleaning, use a damp, lint-free cloth.
5. Do not operate the appliance near water.
6. Never place the unit on an unstable surface.
7. All Slots and openings on the bottom and back of the device are provided for ventilation, to protect it sufficiently from overheating. These openings should never be covered. The device never should be placed near or on a radiator or other heat source.
8. The unit must always be connected to a power supply according to the information on the back side.
9. Do not insert objects through the ventilation slots. Do not spill any liquids on the unit.
10. All repairs should be left to qualified service personnel.
11. Do not expose the device to direct sunlight.

2 Mounting / Installation

1. Read the following instructions completely.
2. Before installation connect the monitor to the graphics source for a test by using the supplied connection cables. Turn on the system and check the image on the monitor. Perform an automatic setting on the on-screen menu by (see Chapter 3 Settings). If the representation is correct, you can proceed with the installation.
3. Disassemble the old CRT and frontpanel.
4. Disconnect the flatcable out of the keyboard-PCB and pull the plug out of the CRT-chassis. After the installation of the keyboard the cable will be used with the new monitor.
5. Disassemble the Keyboard-PCB out of the old frontpanel.
6. Insert the keycaps into the cutouts of the frontpanel of the new TFT-monitor. Keep attention to the position of the lettered keycaps (right/ left).
7. Mount the Keyboard-PCB in the frontpanel.
8. Connect the flatcable with the Keyboard-PCB.
9. Use the delivered screws to fasten the monitor in the controlpanel. Connect the monitor to the graphic source and power supply via the supplied cables.
10. Turn on the system.
11. Wait until the system is booted to operating state and the monitor displays this state.
12. If necessary, you can adjust the graphic source using the on screen menu of the monitor.

3 Einstellungen / Onscreen-Menü

3.1. OSD Adjustment

The OSD provides certain functions to have clear image and others.

There are 5 buttons to control the OSD, PCB board and 1 LED for show status of board.

OSD Board



Function of each OSD key

No.	Button	Switch Function
1	Menu	1. Open the OSD Main Menu / Close the OSD Main Menu
2	Select	1. Select a Item
3	Down	1. Move to downside on menu list 2. decrease the value of selected item
4	Up	1. Move to upside on menu list 2. increase the value of selected item
5	Power	1. Turn on power / Turn off power

◆ Hot-Key: One-click control

- Auto adjust: "down" key
- Source Switch (analog RGB, DVI, DP): "select" key

◆ Status LED

- Green: Normal State
- Amber flashing: DPMS mode (Can't find signal)

3.2 Window Structure

3.2.1 Main Menu



Picture:	Adjust and correct the image
Display:	Adjust the H-V- Position of display
Color:	Adjust and correct the color
Advance:	Adjust the rendering
Input:	Select the input source
Other:	Adjust the On-Screen-Display
Information:	Information about current timing

3.2.2 Sub-Menu: Picture



Backlight:	Adjust the backlight of the image
Brightness:	Adjust the brightness of the image
Contrast:	Adjust the contrast of the image
Sharpness:	Adjust the sharpness of the image

3.3.3 Sub-Menu: Display



- Auto Adjustment: Run the auto config of the image
- H. Position: Adjust the H. position of the image
- V. Position: Adjust the V. position of the image
- Pixel Clock: Adjust the clock of the image
- Phase: Adjust the phase of the image

3.3.4 Sub-Menu: Color



Gamma:	Adjust gamma level of the image
Color Temp:	Adjust the color temperature
Color Effect:	Select a color effect
Color Demo:	Select a mode to check the hue and saturation settings
Color Format:	Select a color space
Hue:	Adjust the color balance
Saturation:	Adjust the color intensity

3.3.5 Sub-Menu: Advance



Aspect ratio:	Select aspect ratio or scaling factor of the image
Overscan:	Turn On/Off overscan function
DDCCI:	Turn On/Off DDCCI support
Ultra Vivid:	Select grades of the Ultra Vivid color mode

3.3.6 Sub-Menu: Input



VGA:	Select VGA as the input source
DVI:	Select DVI as the input source
DP:	Select DP as the input source

3.3.7 Sub-Menu: Other



Reset:	Factory reset
Menu Time:	Adjust the OSD off timer
OSD H Position:	Adjust the H. position of the OSD menu
OSD V Position:	Adjust the V. position of the OSD menu
Language:	Select language of the OSD menu: English or German
Transparency:	Adjust the OSD transparency
Rotate:	Turn On/Off OSD rotation

3.3.8 Sub-Menu: Information



Signal source

Current resolution

H and V frequencies

Pixel clock frequency

HDCP function's state

Firmware version