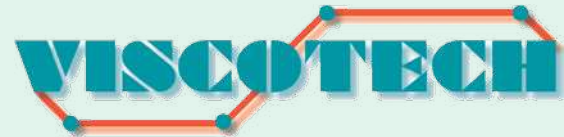# SEM10-F
TFT-monitor 10,4" frontpanel

VISCOTECH

Overview:

- 10,4" TFT / LCD monitor for special frequencies
- replacement for 12" CRT **in controll-panels with existing protective glass**
- interface RGB analog and digital (TTL)
- optional FBAS input
- input frequencies from 15 kHz / 50 Hz
- long-term availability
- frontpanel with holes for mounting in CRT-chassis

Description:

Monitors SEM10-F are used as replacement for CRT-monitors in older control systems
e.g. CNC machines, packaging machines, or plastic injection molding machines. The monitors are available with either analog RGB input or / and digital TTL input according to the control.
The default timing is compatible to the control, this means after connecting the monitor the visualisation works correctly. Further adjustments can be made via on-screen-menu. The connectors and interfaces for the graphic-signal are compatible to the control, so the replacement is easy. Frontpanel with mounting holes to fix the monitor in the crt-chassis of the tube, this means fast and simple replacement with no specialized knowledge.

Technical Data:

Overview:
Industrial TFT monitor 10,4" for mounting in
controlpanel with existing protective glass

Interfaces:
analog: HD-SUB15, BNC by adapter
digital (TTL): D-SUB9 or D-SUB15
optional special plugs of the control

Synchronisation / Timings:
TTL, Sync-on-Green, C-Sync, FBAS, CGA, EGA, VGA & special frequencies depending on version

Resolution:
max. 1024x768

Visible picture:
211x158mm

Adjustments:
via on-screen-menu

Brightness / Contrast:
min. 500 cd/qm, 1000:1

Power supply:
115/230VAC, optional 12 or 24VDC via
internal power supply / converter

MTBF:
Backlights min. 50000h

Mechanical dimensions:
case: 260 x 190 x 55 (95)mm
frontpanel: 290 x 228 mm
mounting holes: 272 x 211mm (color)
or 272 x 190mm (monochrome)

Material:
frontpanel: Aluminium powder coated, black

environmental conditions:
operating temperature: 0-50°C
storage temperature: 0-65°C
humidity: 10 - 80 % rel. humidity, not condensing

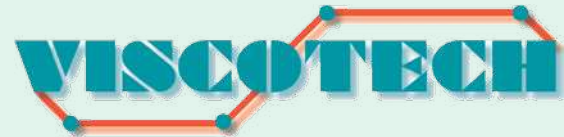**Norms:**
EMV: EN55022 EN55024;
EN61010-1

part number:

10030702	SEM10-F colour
10030711	SEM10-F-monochrome

SEM10-K
TFT Replacement 10,4" curved front

VISCOTECH

Overview:

- TFT / LCD monitor for special frequencies
- screen diagonal 10,4"
- Connector RGB analog and digital (TTL)
- Input frequencies from 15 kHz / 50Hz
- Settings via on-screen-menu
- Front adapter made of plastic with original curve of the CRT

Description:

Monitors SEM10-K are used as replacement for 12" CRT-monitors in older control systems e.g. CNC machines, packaging machines, or plastic injection molding machines. The monitors are available with either analog one RGB input or RGB and digital TTL input according to the control. The default timing is compatible to the control, this means after connecting the monitor the visualisation works correctly. Further adjustments can be made via on-screen-menu. The connector and interface for the graphic-signal are compatible to the control, so the replacement is easy. Mounting in the old CRT-chassis. The curved front adapter guarantees a good sealing in the panel.

Technical Data:

Overview:
Industrial TFT monitor 10,4" for mounting backside into the 12" CRT / tube chassis

Interfaces:
analog: HD-SUB15, BNC by adapter
digital (TTL): D-SUB9 or D-SUB15
optional special plugs of the control

Synchronisation / Timings:
TTL, Sync-on-Green, C-Sync, CGA, EGA, VGA & special frequencies depending on version

Resolution:
max. 800x600

Visible picture:
211x158mm

Adjustments:
via on-screen-menu

Brightness / Contrast:
min. 400 cd/qm, 500:1

Power supply:
115/230VAC, optional 12 or 24VDC

MTBF:
Backlights min. 50000h

Mechanical dimensions:
compatible to 12" CRT

Material:
frontpanel: Aluminium with curved adapater, protection glass

Environmental conditons:
operating temperature: 0-50°C
storage temperature: 0-65°C
humidity: 10 - 80 % rel. humidity, not condensing

Protections class:
front IP 65

Norms:
EMV: EN55022 EN55024
EN61010-1

Part Number:

10030603   SEM10-K