

The MTS15AK Medical Touchscreen Monitor & Keyboard Assembly



Typical application

The **MTS15AK touchscreen and keyboard assembly** incorporates a touchscreen monitor, cable loom, keyboard and gas assisted arm for ease of use.

The Monitor is based upon the ELO 3000 series and has been modified to accept a mounted matching mini trackball keyboard. All cables are concealed in the discreet detachable loom.

If used in conjunction with any of our intelligent switching computer units then the loom comes complete with the remote switching module allowing all connected items such as computer, monitor and printer/medical unit to be powered on and off with a single monitor mounted switch.

Typical applications include laboratories, theatres and general medical locations as well as a wide range of installations where space is at a premium. The unit can be affixed to walls, desks or specialised computer equipment such as our MRM2800 computer unit.

- Touch screen stable
- Cable management
- Quick and simple installation

CERTIFICATIONS & STANDARDS:

The complete assembly has been approved to CE & EN 60601 - 1 - 2: 2001 (Medical electrical equipment Part1. Section1.2)



Euro Business Solutions, has its HQ in Scotland near Edinburgh.

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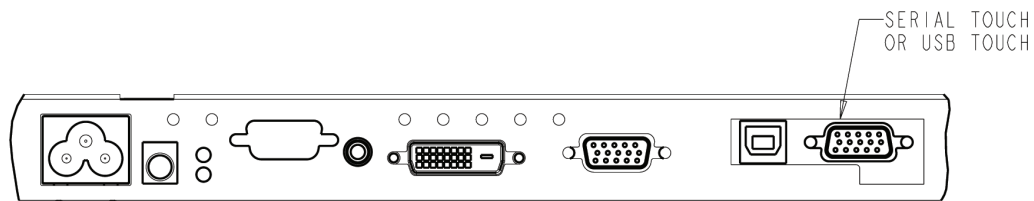
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Product Integrator

The MTS15AK



MONITOR

Model No.: ELO 3000

Display Size: 15" diagonal

Type: Active matrix TFT LCD

Aspect ratio: 4 x 3

Useful screen area Horizontal: 11.98" (304 mm)
Vertical: 8.98" (228 mm)

Monitor dimensions

(max, with short stand) Width: 13.99" (355 mm)

Height (inc. base): 11.27" (286 mm)

Depth (inc. base): 10.44" (265 mm)

Dimensions vary with stand type and position

Optimal (native) resolution 1024 x 768

Other supported resolutions 1024 x 768 at 60, 65, 70 or 75 Hz

832 x 624 at 75 Hz

800 x 600 at 56, 60, 72 or 75 Hz

720 x 400 at 70 Hz

720 x 350 at 70 Hz

640 x 480 at 60, 66 Hz (Mac), 72 or 75 Hz

Temperature Operating: 0°C to 40°C

Storage: -20°C to 60°C

Humidity Operating: 20-80%

Storage: 5-95%
noncondensing

Weight

(approx., with all options) Actual: 14.44 lb (6.55 kg)

Warranty Monitor: 1 year

Backlight lamp life: min 40,000 hours to half brightness

Agency approvals UL/cUL (*recognized component), FCC-A,
TUV-GS, CE, VCCI, C-Tick

Colors 16.2 million colors, 6 bit with dithering

Brightness

LCD panel with touchscreen AccuTouch: 287 cd/m2 (typical)

CarrollTouch: 322 cd/m2 (typical)

IntelliTouch: 322 cd/m2 (typical)

Surface capacitive: 294 cd/m2 (typical)

Response time 25 msec (typical)

Viewing angle

(typical, from center) Horizontal (left/right): ±75° or 150°

Vertical (up/down): 75°/50° or 125° total

Contrast ratio 400:1

Power dissipation 30 W (typical)

Input video format RGB analog; DVI-D

Input video signal connector Mini D-Sub 15-Pin VGA type;

DVI-D connector

Input frequency Horizontal: 31-60 kHz

Vertical: 56-75 Hz

Power supply Type: AC/DC input internal power supply

AC input (line) voltage: 85-265 VAC, 47-63 Hz.

DC input (line) voltage: 12.0V ± 0.75V

Power: 50 W max.; only AC power cable supplied; 12V

Speakers Two watt/channel speakers located in display head

On-screen display (OSD)

User's controls OSD control menu: menu, up, down, select, power

OSD controls: contrast, brightness, V-position, H-position,

RGB, volume, YUV, phase, clock, OSD H-position, OSD V-

position, OSD time, auto adjust, input select

OSD disable/enable: power, OSD menu

Mounting options 75 mm VESA mount

Other features Energy save mode (less than 2 watts)

2 stage DPMS

VESA DDC Plug and Play

KEYBOARD

Integral Trackball

PS2 Termination

Windows ME/98/2000/XP/2003 compatible

Full size key pitch

non-skid rubber feet

Ivory or black body colours

Plug and Play

No. of keys: 86

Key travel: 3.5 ± 0.5mm

Operate force 60 ± 20gf

Termination: Keyboards:

6 pin mini din

Trackball:

6 pin mini din

Size: 325 x 175 x 40mm

GAS ARM

Gas assisted for ultimate ease of viewing

Triple pivot movement

Touch screen stable

Supports most 15" and 17" LCD monitors

Supports monitors 3kg to 8kgs

Cable management

Supplied with both 75mm and

100mm VESA plates

Light grey

Quick & simple installation

1.8M CABLE LOOM

1 x IDC Power Male

1 x VGA Male

1 x PS2 Male

1 x USB A

Intelligent power switch male

1 x IDC Power Female

1 x VGA Male

1 x PS2 Female

1 x USB B

Intelligent power switch male

Additional lengths and configurations such as audio, extra power extra USB etc can be provided - prices on request



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