



Integrated LCD Touch Panel Monitor
to be replaced from unprocurable CRT monitor
&
Full compatible Light Pen

[Contact]

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Status quo of CRT Monitor

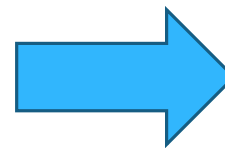
CRT Monitor is still widely used with various kind of semiconductor equipment in the market. However, a vast majority of them are already decrepit due to long term continuous usage. In addition, procurement of CRT itself comes to be difficult in terms of environmental problem.



CRT Monitor

Decrepit

Discontinued



(Point of issues)

- Screen burning
- Dim screen
- Un-displayed
- Un-procurable
- Heavy
- Large energy consumption
- Large mount space requires

Introduction of Integrated LCD Touch Panel (17 inch)

Old LCD Monitor is only applicable to major semiconductor equipment but this newly developed LCD model learns to be compatible to typical film thickness measurement machine by changing firmware.



New! *Integrated LCD Touch Panel*

(Product line-up)

Model : ACD-10203

For equipment maker A (CRT)



Model : ACD-10206

For film thickness measurement machine



Mountable process equipment (already verified)

The integrated LCD Touch Panel is proved to be used at major semiconductor equipment and film thickness measurement machine listed in below.

Proved equipment for usage

| | | | |
|-------------|----------------------|----------------------------|---------|
| AMAT | Endura(5500) | PVD | 6" & 8" |
| AMAT | Centura(5200) (5201) | CVD | 6" & 8" |
| AMAT | Centura(5200) (5201) | ETCH | 6" & 8" |
| AMAT | P5000(5000) | ETCH | 6" & 8" |
| AMAT | P5000(5000) | CVD | 6" & 8" |
| AMAT | Centura(5200) | RTP | 6" & 8" |
| AMAT | PI9500 | IMP | |
| Therma-wave | OP-2600 | Film thickness measurement | |

Product specifications



- ① Auto detect
- ② Menu
- ③ Power
- ④ -
- ⑤ +
- ⑥ Power display lamp
- ⑦ Touch pen holder

Product specifications



① ② ③ ④

- ① Active lamp & Light pen calibration switch
- ② Light pen / Finger mode exchange switch
- ③ LED
- ④ VGA / 25pin D-sub exchange switch



① ② ③ ④ ⑤

- ① Touch pen connection plug
- ② 25pin D-sub
- ③ VGA
- ④ RS-232
- ⑤ Power supply switch

Introduction of Light Pen (Option)

- Compatible product to light pens from major semiconductor equipment makers
- Unnecessity of system software setting change
- Can be used at system of currently in use at your site.
- Compact size which can be stored in pen holder in control box.



Product specifications

| Touch screen | |
|-----------------------|--|
| Type | EETI Touch, Analog Resistive |
| Thickness | 2.20mm |
| Resolution | 2048X2048 |
| Light Transmission | 80% |
| Controller Interface | RS-232 |
| Power Consumption | DC+5V@100mA |
| Durability (Touches) | 10 million hrs |
| System Support | Centura, Endura, P5000, PI9500, LAM “Nexstep” systems |
| Environment | |
| Operating Temperature | 0~50° C |
| Storage Temperature | -10~60° C |
| Power Management | VESA DPMS Compliant |
| Power Consumption | 35W typical, Normal operation |

Product specifications

| Display | |
|-------------------------|-------------------------|
| Display | AUO 17.0 inch LCD Panel |
| Active Display Area(mm) | 337.9(H)x 270.3(V) |
| Pixel Pitch(mm) | 0.264 |
| Resolution(pixels) | SXGA (1280X1024) |
| Number of colors | 16.7M colors |
| Viewing Angle(H/V) | 170/160 |
| Brightness(cd /m2) | 250 |
| Backlight | CCFL |
| Contrast Ratio | 1000:1 |
| Response Time(ms) | 5 |
| Lamp Life(hrs) | 50,000 |
| Long-term Support | YES |