Service data bulletin
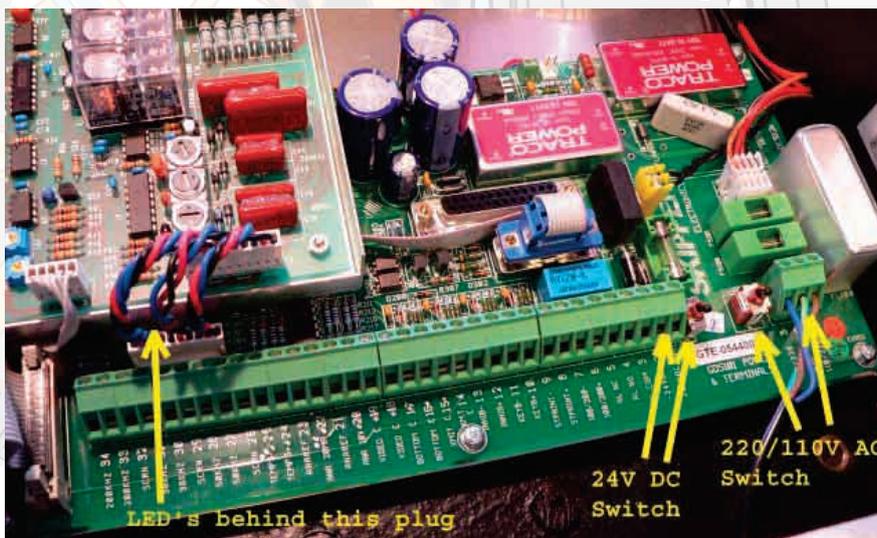
Instrument: GDS101

Date: 29.05.2008
Created by: Geir Theodorsen

SUBJECT: TROUBLE SHOOTING GUIDE NO PICTURE ON SCREEN

This trouble shooting guide may be used if absolutely no indication of picture is present on the screen.
Before proceeding: Please make shure that this problem is not related to brightness being set to 0
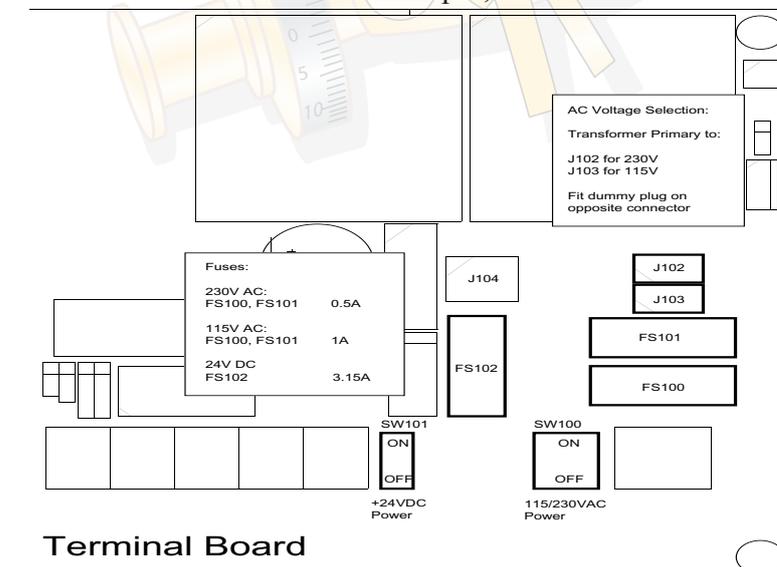Refer to Data Bulletin "SDB_Gen_01 Screen dead" or "SDBGDS101_05 Trouble shooting guide No light on screen"

Check Power to the system.
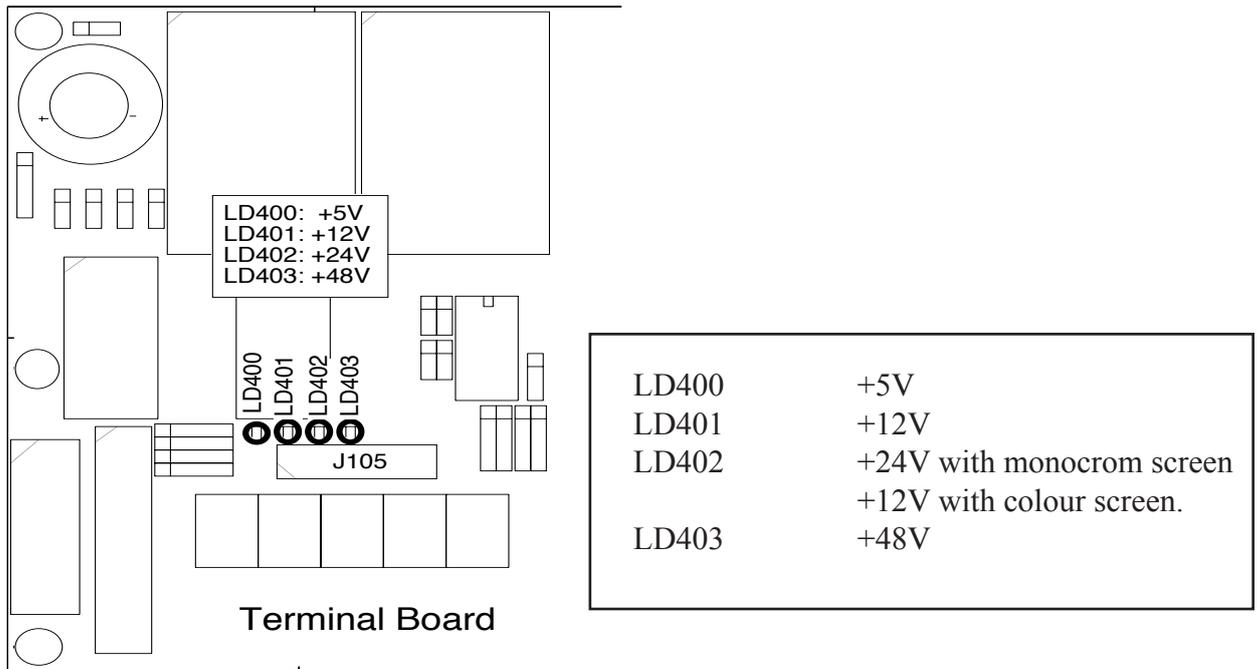4 LEDs on terminal board should be lit when unit is on. (See picture)

If there is no light in LED's:
Check AC220/110V AC or 24V DC mains input, fuses and switches

AC Voltage Selection:

Transformer Primary to:

J102 for 230V
J103 for 115V

Fit dummy plug on
opposite connector

Fuses:

230V AC:
FS100, FS101   0.5A

115V AC:
FS100, FS101   1A

24V DC
FS102   3.15A

J104

J102

J103

FS101

FS102

FS100

SW101
ON
OFF
+24VDC
Power

SW100
ON
OFF
115/230VAC
Power

Terminal Board

If one or more LED's does not light: Then Terminal board is most probably defective.

LD400: +5V
LD401: +12V
LD402: +24V
LD403: +48V

LD400
LD401
LD402
LD403

J105

Terminal Board

LD400	+5V
LD401	+12V
LD402	+24V with monocrom screen +12V with colour screen.
LD403	+48V

All 4 LED's light:

To close out any software "hang-ups" make a "Master reset"

Master reset procedure:
Switch off the GDS 101u, using the internal toggle switch and wait for 20 seconds.
Then press down and keep pressed the softkey to the far right and far left (No. 1 and 6.)
in the upper row on the GDS101u keyboard.

Turn the GDS101u ''on'' and keep the two softkeys pressed down until the screen shows
the normal picture. This may take as long as approx. 30 seconds.
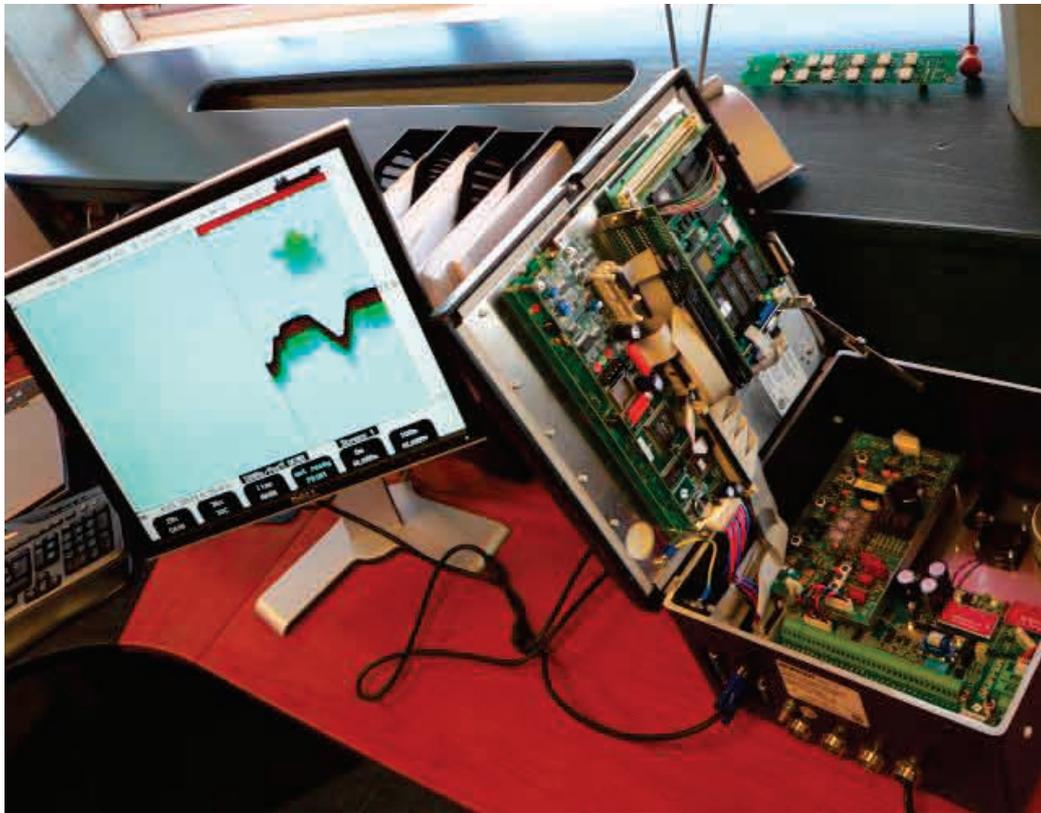You should normally hear 4 ''beeps'' at the end of the procedure.

If "Master reset did not produce any picture:

Connect an external PC monitor to VGA connector in cabinet.

If there is picture in External monitor most probably the Screen is defective.
(In some cases the VGA driver on CPU board may be the reason.)

If there is no picture in the external monitor then CPU board, I/O board or the cables/ connections may be the suspected defective items.