

# Thermo

## SCIENTIFIC

### ALPS-3000 Colour display screen replacement

#### To be carried out by a competent engineer

1. Isolate pneumatic and power services to the ALPS-3000.
  2. Remove the left side inspection panel (3 screws)
  3. Push Heater block down (CAUTION ensure this is COOL before handling this component, operating Temp can be 170c )
  4. Remove the display Bezel Assembly (4 screws)
  5. Tilt display Backward to remove from Cover opening  
(see figure. 1)
  6. Disconnect the following electrical connections on the display:-
    - 34 way IDC Cable
    - 2 way Thermo-couple cable
    - 2 way Fan Connector
    - Earth / ground Connection
    - 4 way up/down connector (on serial numbers pre 21100)
    - 3 way Vac switch (on serial numbers pre 21100)
  7. Remove the new display from the packaging and separate the Bezel, and Display parts.
  8. Re-connect electrical connections into the new display.
  9. Insert the new display top edge first, push the new display up until the bottom section clears the lower cover cut out. Then drop the display down behind the cover to align the display fixings with the holes in the cover (see figures 2 & 3)
  10. Place the screen bezel over the screen and re-assemble the bezel to colour screen securing the screen and bezel to cover using the four fittings.(see figure 4).
  11. Lift up the Heater Block and fully extend Shuttle out.
  12. Replace left-side Inspection Panel (3 Screws).
- NOTE: Do Not over-tighten screen fittings
13. Reconnect the pneumatic and power services to the ALPS-3000.  
NOTE: Ensure that all cables free of moving parts.

