Planet6WQ

Transflective 16:9 6.5" TFT-Display
with Wide-1/4-VGA Resolution 400x240
for Standard VGA- and Video-Signals
for example as Driver Display Unit

For the mobile measurement and test engineering the wide-format display Planet6WQ was created. The two major characteristics are the 16:9 wide-format and the transflective technology. This format allows easy installation in car applications and the transflective technology ensures readability at direct sunlight.

The Nickl Planet6WQ displays colour images at a resolution of 400x240 dots. This allows either shrank displaying of DOS-Text or 640x480 signals or pixel-accurate displaying of a region of the incoming signal. Furthermore a subregion can be magnified and displayed over the full screen. PAL, NTSC and SECAM signals can be either stretched, fit horizontally or fit vertically.

Due to the wide dimming range, it can be used at a extremely wide range, at night up to direct sun light. Its wide operating temperature range allows air conditioner measurement engineering. Car-integration is advantaged by its light-weight, the M4 mounting holes and the available mounting accessories.

- 16:9 wide-format TFT display
- PC-graphics and video switchable
- "Reflective & Backlight" technology
- Can show arbitrary cut-out with magnifier function
- very compact: (165 x 100 x 33) mm³



Applications:

- Research and development of vehicles
- Testing chassis dynamic and bake systems
- Process Visualisation
- Visualising of data when measuring environmental data by use of aeroplanes
- Air conditioner measurement engineering







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Display 165 mm (6.5 "), active area (143.4 x 79.362) mm²

Resolution 400x240 pixels

Brightness 5...200 cd/m², up-/down-keys, automatic adaption to environmental brightness

Optical characteristics Contrast: >60:1, response time rising/falling: 20/25ms

Viewing angle (U/D/L/R): $40^{\circ}/45^{\circ}/50^{\circ}/50^{\circ}$

Transflective TFT-Stripe-RGB, 6-bit per color (262k colors) Technology

DOS Text, VGA 640x480, SVGA 800x600, XGA 1024x768, 56..85 Hz, Video Inputs

RGB analogue, 0,7Vpp, DC-Restore, H- und V-Sync

NTSC, PAL, SECAM as S-Video, 75 Ohm

Touch Panel on request for higher volume

9..36 V, no galvanic de-coupling, polarity-save **Power Supply**

typ. 13 W at full brightness, power-off on loss of video signal

1. PC graphics 15-pin HD D-Sub receptacle Connectors

2. S-Video Mini-DIN 4

3. Supply: 5-pin D-Sub Header

4. Touch panel: 9-pin Mini-DIN receptacle optional

Case Polystyrol black, further colours on request

WxHxD: (165 x 100 x 33) mm³ w/o touch option, (165 x 100 x 35) mm³ with touch

option

-30..+65 °C Operating temperature -30..+85 °C

Storage temperature

Mass 445 g

1EMVTDH-K/Py

Holder pyramid with 7 1/4 inch threads for ball joints and flange mounting capabilities

1EZKA-HS15HS15-x-HQ

Cable for power supply with two banana plugs, L=2m or 7m

1EZKA-DB5BAN2-x

Video signal cable with ferrite bead, L=1,5m, 2m, 5m, 7m or 10m

1EMBE-10/13

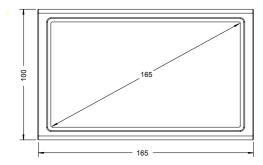
Key pad printed cirquit board for remote operation

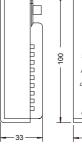
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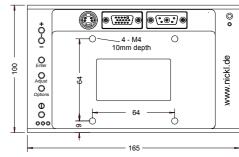
1EMPL6WQ

TFT-display, transflective, 6.5", PlanetLight6WQ, 400x240, Uin=9..36V, 200cd/m²+ambient light

- Further variants on request -







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