

12" mobile display

- for mobile usage in conjunction with DEWETRON data acquisition systems or any other mobile PC system
- touch screen optional



Specifications

Mobile Displays	
	MOB-DISP-12
TFT Display	yes
Diagonal	12"
Interface	Analog RGB
Resolution	800 x 600 (SVGA)
Colors	256 k (18 bit)
Luminance	400 cd/m ²
Brightness control	via potentiometer
Contrast ratio	600:1
Vertical frequency	60 Hz
Power supply	9 - 36 V _{DC}
Power consumption	typ. 12 W (1 A @ 12 V)
Dimensions (W x H x D) without suction cup	377 x 44 x 255 mm (14.8 x 1.7 x 10 in.)
Weight	2.5 kg (5.5 lbs)
Mounting	2 suction cups
Optional: Touch Screen	
Interface	USB

Caution:

Do not place the display in front of the air bag module cover or in front of the seat areas that may come in contact with a deploying air bag!

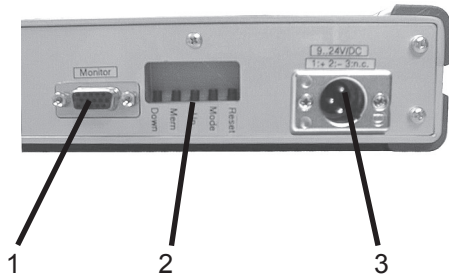
Any heavy object within a moving vehicle can become a deadly projectile due to sudden stops or changes in direction, therefore all possible care should be taken to ensure that all occupants and objects within a vehicle are carefully and securely held down according to all applicable federal and local laws and ordinances, company policies, and common sense.

Always secure the MOB-DISP-12 or any heavy object with at least equal care as you would use for a human being. This is for the safety of the human beings who might be in or around the vehicle.

DEWETRON cannot be responsible for injury, death, damage, or any kind of loss resulting from the use, proper or improper, of the MOB-DISP-12, or any other items or services provided by DEWETRON. Use them at your own risk.

MOB-DISP-12

Connectors / user interface



- 1 VGA connector
- 2 Push buttons
- 3 Power supply

1. VGA connector

Meets the standard VGA specifications. Shipment includes a 3 meter VGA cable.

2. Push buttons

2.1 Reset

All display settings are set to the last stored settings.

2.2 Up

This button increases the values of all settings.

2.3 Mode up

Change settings for:

- Vertical position (25 default)
- Horizontal position (219 default)
- Pixel: for the 800 x 600 display use following indices
- Graphic: 1000 Pixel
- Text mode: 1000 Pixel
- SVGA mode: 1056 Pixel
- Delay (set sampling moment for best picture quality; 12 default)
- Type: display type 1 (800 x 600 Pixel)

2.4 Mode down

Change settings for:

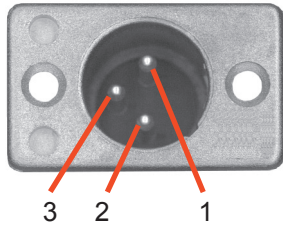
- Vertical position (25 default)
- Horizontal position (219 default)
- Pixel: for the 800 x 600 display use following indices
- Graphic: 1000 Pixel
- Text mode: 1000 Pixel
- SVGA mode: 1056 Pixel
- Delay (set sampling moment for best picture quality; 12 default)
- Type: display type 1 (800 x 600 Pixel)

2.5 Down

This button decreases the values of all settings.

3. Power supply

The display requires supply voltage within 9 to 36 VDC. A power supply cable or external power supply is included with shipment (depending on system configuration).

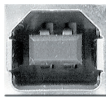


Pin assignment:
1 9 to 36 V_{DC}
2 GND
3 not connected

4. Interface for touch-screen

Serial interface: Meets standard RS-232 specification
or

USB interface: Standard PC compatible USB interface.
Shipments includes a 3 m connection cable.



4-pin USB B connector



Schematic

Pin assignment
1: +5 V_{DC}
2: Data -
3: Data +
4: GND

First steps

1. The display can be connected to a system already running.
2. Connect the VGA cable to PC or DEWETRON system and MOB-DISP-12 and fix it with screws.
3. Connect power supply cable to display and fix it.
4. Change screen resolution on your WINDOWS® 95/98/NT system to 800 x 600 pixel with max. refresh rate of 60 Hz.
5. Change settings of VGA board to 'external' (CRT). Now the internal display is deactivated and the external display is activated.
If you change VGA board to simultaneous output, both displays will work, but the quality is getting worse.
6. The VGA board can be set back to LCD (internal display) on demand, and the visualisation on the MOB-DISP-12 disappears. If you power down the system without changing from CRT to LCD (external to internal), at the next startup, the system will boot automatically with internal LCD display.*

* This behaviour is valid only when using a DEWE-20x0 or DEWE30x0 system with built-in TFT screen!

MOB-DISP-12

Notes