

# Display

full rugged

# RD19

19" display



The RD19 display allows the optimal use for modern management systems and communication, even at roughest ambient conditions. Customized mounting systems (optional available) offer a wide range of applications.

## Technical specification

<b>Display</b>	19" TFT display (48,3 cm visible area)
<b>Resolution</b>	SXGA / 1280 x 1024 pixel
<b>Format</b>	5:4
<b>Display colours</b>	up to 16.7 million colours
<b>Viewing angle</b>	vertical: 160° horizontal: 170°
<b>Contrast</b>	1000:1
<b>Luminance</b>	up to 350 cd/m <sup>2</sup>
<b>Reaction time</b>	10 ms (T <sub>on</sub> +T <sub>off</sub> )
<b>Certification</b>	IP 65 (front side), IP54 interfaces MIL-STD-810G
<b>Housing</b>	rugged steel & aluminum housing
<b>Colour</b>	military green (RAL 6031 HR), military grey (navy grey), other colours on request
<b>Dimensions</b>	480 x 405 x 77.5 mm (W x H x D)
<b>Weight</b>	ca. 10.7 kg

MIL-STD-810G	operating	storage
<b>Altitude</b> Method 500.5, (Procedure I, II)	4572 m (15000 ft)	12192 m (40000 ft)
<b>Temperature</b> Method 501.5 & 502.5, (Procedure I, II)	-20°C to +55°C -25°C with heater	-40°C to +60°C
<b>Temperature shock</b> Method 503.5, (Procedure I)	-20°C to +55°C	-20°C to +55°C
<b>Vibration</b> Method 514.6, Category 1 Method 514.6, Category 20 (Procedure I) Method 514.6, Category 24 (Procedure I)	Tracked Vehicle Vibration Comp. Wheeled Vehicle Vibration All Material - minimum interity test	Tracked Vehicle Vibration Comp. Wheeled Vehicle Vibration All Material - minimum interity test
<b>Shock / drop</b> Method 516.6, (Procedure I)	40 g, 11 ms	40 g, 11 ms

## Designed to meet:

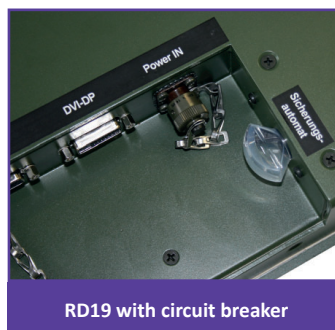
MIL-STD-810G	operating	storage
<b>Humidity</b> Method 507.5, (Procedure I)	five 24 h test cycles 95 %	five 24 h test cycles 95 %



RD19 rear side



RD19 interfaces



RD19 with circuit breaker



RD19 with StandUnit

## more technical specifications

- heater: operational within 30 minutes from -30°C
- OSD menu in front panel (8 keys, 2 LEDs)
- varnished fine structure
- coated filter screen  
conductively coated/ Sitec 15 (< 200hm/cm<sup>2</sup>)
- power input 18-32 V<sub>DC</sub>, nominal 24 V<sub>DC</sub>
- grounding bolt
- circuit breaker

## Interfaces

- 1x VGA
- 1x DVI
- 2x USB2.0 Downstream (Upstream only by RD-DVI)
- 1x MIL-DC-In
- 1x MIL invisible mode / door contact activation

\*all interfaces are available with standart  
or optional military grade connectors

All roda displays from RD series support the remote function (RD-DVI).

With remote function you can turn on the RD series display and the connected Rocky unit by only pressing the power button of the display. Also USB device signals like keyboard and mouse, which are connected to the RD displays USB-port, will be send via the display signal to the Rocky® unit.

## Options

- display upgrade 1000 cd/m<sup>2</sup>
- night vision function  
(for use with night vision goggles)
- touch screen
- carrying handles
- rugged transportation box
- display mounting:
  - e.g. RD19 StandUnit
  - custom mounting on request
- ShockMount fixation, designed to meet MIL-STD-810G
- certification according to SDIP 27 Level B (BSI Zone 1)
- 230 V<sub>AC</sub> version

