Display RD19

full rugged

19" display

WATER SAND

FROST HEAT

SHOCK DROP

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

Technical specification

Display	19" TFT display (48,3 cm visible area)
Resolution	SXGA 1280 x 1024 pixel
Format	5:4
Display colours	up to 16.7 million colours
Viewing angle	vertical: 80° horizontal: 80°
Contrast	1000:1
Luminance	up to 1000 cd/m²
Reaction time	5 ms (GtoG)
Certification	IP 65 (front side), IP54 interfaces MIL-STD 810G
Housing	rugged steel & aluminum housing
Colour	military green (RAL 6031 HR), military grey (navy grey), other colours on request
Dimensions	480 mm x 405 mm x 77.5 mm
Weight	ca. 10.5 kg

roda
solid IT-solutions

MIL-STD 810G	operating	storage
Altitude Method 500.5, (Procedure I, II)	4572 m (15000 ft)	12192 m (40000 ft)
Temperature Method 501.5 & 502.5, (Procedure I, II)	-20°C to +55°C -25°C with heater	-40°C to +60°C
Temperature shock Method 503.5, (Procedure I)	-20°C to +55°C	-20°C to +55°C
Vibration 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
Shock / drop Method 516.6, (Procedure I)	40 g, 11 ms	40 g, 11 ms

Designed to meet:

MIL-STD 810G	operating	storage
Humidity Method 507.5, (Procedure I)	five 24 h test cycles 95 %	five 24 h test cycles 95 %
Salt fog Method 509.5, (Procedure I)	N/A	5 %, 35° C

WATER JET RESISTANT

SHOCK RESISTANT

DROP RESISTANT
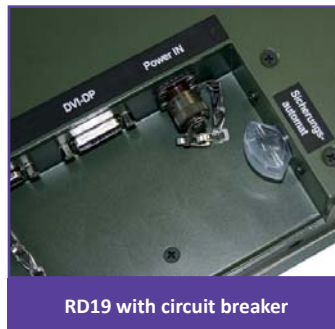
FROST RESISTANT

HEAT RESISTANT

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 (< 20Ohm/cm²)
- power Input 18-32 V_{DC}, nominal 24 V_{DC}
- grounding bolt
- circuit breaker

Interfaces

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

standard connectors optional available with MIL grad connectors

Options

- night vision function (for use with night vision googles)
- 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_{AC} version

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.

v1.7