



CONRAC 6019 AD

19" LCD/TFT Automotive Display

CONRAC's 6019 AD high resolution multi frequency automotive LCD/TFT-displays is supplied in rack/console mount version, specially designed for mobile applications.

CONRAC GmbH stands for High Performance Displays for specific applications. Own R&D, production and service at the German headquarters guarantee highest quality standards.

The use of high grade industrial components, modular construction, robust aluminium casing and special laminated safety glass panel with high efficiency anti-glare treatment make the displays the perfect choice for 24h operation in demanding applications.

FEATURES

Approved to the relevant standards for mobile applications

Easy integration in your system

Robust seawater resistant aluminium housing treated to protect from corrosion

Specially designed for use in mobile applications

Climate control circuit, display heating

High system availability

EMI glass with high efficiency anti-glare treatment

Superior legibility and safety, reduced EMI

Universal proprietary controller

Flexible solutions (VGA, CVBS and S-Video inputs), extra wide frequency range (30kHz – 80kHz)

High contrast and flicker-free image

Reduced strain for the user's eyes

Enhanced shock & vibration resistance as well as extended temperature range

High lifetime in critical ambient conditions

Integrated counter for hours of operation

Easy to plan maintenance

Conrac electronics and design

In-house R&D ensures long term availability

DISPLAY

Panel type:	Full colour active matrix TFT
Size / Active screen dimensions:	19.0" – 48cm / 376mm (horizontal) x 301mm (vertical)
Resolution:	Multiscan up to 1280 x 1024 (SXGA)
Horizontal frequency:	30 – 80kHz
Vertical frequency:	50 – 85Hz
Pixelclock:	Up to 140MHz
Brightness (typical):	300 cd/m ² typ. without EMI panel
Contrast ratio:	700:1 typical
Number of colours:	16.7 Mio colours
Viewing angle:	±85° horizontal and vertical
Backlight:	Cold cathode fluorescent lamp (CCFL)
Lamp life time:	50,000 hours @ 25°C ambient temperature, continuous operation

SIGNAL INPUT / CONNECTORS / SYNCRONISATION

PC signal input:	PC analog
Connectors:	RGB (PC) input: 5 x BNC Serial connector: 9 Pin for RS 232
Synchronization:	Sync on green, Composite sync with auto detect Separate H- and V-sync

CONTROLS

Keypad and on screen menu	
RS 232 serial link	
BITE (Built-in Test Equipment):	Front panel indication of temperature and operational status

ENVIRONMENTAL CONDITIONS

Temperature (operating):	0°C - +55°C
Temperature (non-operating):	-40°C - +70°C
Vibration:	2.5g, 1Hz – 50Hz
Shock:	30g, 11ms, half sine
Climate Control:	Climate control circuit with overheat indicator on front panel

POWER

Power supply:	115V / 230V ±10%, automatic selection
Power consumption:	90W, <15W in sleep mode, 250W with heating system

APPROVALS

EMI/EMC:	EN55022 class A, EN55024, special standards on request
Safety:	EN60950, CE

SUPPLIED ACCESSORIES

AC power cord 2.5m	
Operating Manual	

STANDARD COLOUR

Standard colour front panel:	RAL 9005 (deep black), non-structured
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VERSIONS

6019 AD Rack Mount version

Rack/console mount configuration with IP65 front.

H x W x D: 400mm x 483mm x 97mm
Weight: 16kg



OEM versions

Customized versions available on request.

OPTIONS*

*Please note: Not all options may be combined.

- 24V DC power supply operating from 18V to 32V
- Heating system for extended temperature range (-25°C – +55°C)
2 min. useable, 20 min. according to specification
- Wide dimming range backlight converter
- Active decay compensation
- Video signal input 15.7kHz CVBS / Y/C video
- Customized power and signal connectors
- RS 232 control interface
- Front handles

Technical specification subject to change without prior notice. GM 260.0262, is_6019ad_rev05

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