

DuraMON Glass 19" LED RADAR / ECDIS



SCIENCE GATE
Your Automation Partner

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DuraMON LED monitors are designed for marine and naval mission critical applications.

It values markets demands for:

- Standardisation and easy integration.
- Simplicity in operation.
- Modular & space saving.
- Low weight
- Long up time and less service.
- Long built-state possibility.
- Zero Mercury
- Low Power consumption.

- High quality display 19" 5:4 format
- Compliant with IEC 60945 and IACS E10.
- ECDIS / RADAR options.
- LED Backlight
- Full range backlight dimming
- Keys dimming control options.
- Desk/Roof and wall mounting-brackets available.
- Optional Touch and Buzzer.
- Optional ECDIS calibration

Specifications

DuraMON LED

Display sizes:	19" LCD (TFT)			
Display properties:	Size – Active area (Aspect)	Luminance	Contrast	Resolution
	19" - 376 x 301 mm (4/3)	300 Cd/m ²	2000:1	1280 x 1024
View angle:	89° - 89° (L/R/T/B) (typical)			
Materials:	Front: Sea Water Resistant Aluminium w. black power coating RAL 9005 Rear: Sea Water Resistant Aluminium w. black power coating RAL 9005			
Window:	Anti Reflection coated front glass			
Protection:	IP65 front – IP20 rear			

DuraMON LED I/O

Video inputs:	RGB :	Analogue 0.7 Vpp positive at 75Ω, Separate sync or sync on green Generally all VESA compatible video modes are supported up to 165MHz (up to UXGA 60Hz and WUXGA 60Hz reduced blanking). Horizontal sync: 15-100 kHz (automatic) Vertical sync: 30-85 Hz up to 1280x1024 30-60 Hz up to 1920x1200
	DVI:	Generally all VESA compatible video modes are supported up to 160MHz (up to UXGA 60Hz and WUXGA 60Hz reduced blanking). Special modes supported on request.
		<i>Option available for S-video and Composite video</i>
Control inputs:	1x RS232 – for remote control <i>Option available for Touch 1x USB Option available for integrated Alarm Buzzer</i>	

DuraMON LED Power Supply Options

Standard:	90-264Vac. 50-60Hz Input
Optional:	18-36Vdc Input Dual power, AC/DC (option)

DuraMON LED Environmental Conditions

Operating Temperature:	-15 to 55 °C
Storage Temperature:	-25 to 70 °C
Relative Humidity:	8 to 90 %

DuraMON LED Approvals

CE Mark:	EN61000-6-2 & EN61000-6-4
Marine:	IACS E10 Rev. 5 & IEC 60945 Ed. 4
ECDIS:	IEC 61174
Radar / Navigation:	IEC 62388 and IEC 62288
Type Approvals:	DNV Mutual Recognition <i>For latest marine class approvals – see www.isic-systems.com</i>

DuraMON LED Physical dimensions

Size:	429 (W) x 382 (H) x 85 (D)
Weight:	8 kg.
Bracket:	Desk / wall / roof bracket and IP22 rear-cover available (optional extra)

