

### Centric Displays

A complete line of dedicated marine certified displays

The Centric range consisting of 15.0", 19.0", 21.3" and 23.1" LCD displays primarily designed to withstand the harsh marine environments.

All the displays have been certified by an independent test house and meet the stringent demands of marine & military specifications:

- IEC 60945 Maritime Communications
- IEC 61174 ECDIS<sup>1</sup>
- IEC 60936 ARPA RADAR<sup>1</sup>
- IEC 60529 IP Rating 66 & 67
- IACS E10 For class approvals i.e. ABS, DNV, LRS
- MIL 810-F Environmental
- MIL 901D Hammer Test<sup>2</sup>

Each display has the unique ability to accept either AC or DC supply.

The approved solution for all your navigation and ships automation applications.

Notes: 1) Not applicable to 15.0" LCD Display 2) Applicable to 15.0" & 19.0" LCD Display only



# Centric Displays

Specifications	15.0" Monitor	19.0" Monitor	21.3" Monitor	23.1" Monitor
Order Model Part #	23-1510	23-1910	23-2110	23-2310
Backlight Brightness	400 cd/m <sup>2</sup> (nits)	250 cd/m <sup>2</sup> (nits)	250 cd/m <sup>2</sup> (nits)	250 cd/m <sup>2</sup> (nits)
Backlight Life	Approx. 50,000 hrs.	Approx. 50,000 hrs.	Approx. 50,000 hrs.	Approx. 50,000 hrs.
Dimming Range	0 - 100% (1000:1 Ratio)	0 - 100% (1000:1 Ratio)	0 - 100% (1000:1 Ratio)	0 - 100% (1000:1 Ratio)
Menu Controls	Front Bezel Membrane	Front Bezel Membrane	Front Bezel Membrane	Front Bezel Membrane
Glass Enhancement	Conturan Hardened, Antiglare	Conturan Hardened, Antiglare	Conturan Hardened, Antiglare	Conturan Hardened, Antiglare
Display Size	15.0" Diagonal	19.0" Diagonal	21.3" Diagonal	23.1" Diagonal
Display Type	TFT LCD	TFT LCD	TFT LCD	TFT LCD
Flush Mount Dimensions (inches)	13.58" H x 15.75" W x 2.76" D	16.42" H x 18.5" W x 2.76" D	17.87" H x 21.02" W x 2.97" D	20.7" H x 23.46" W x 3.05" D
Flush Mount Dimensions (mm)	345 H x 400 W x 70 D	417 H x 470 W x 70 D	454 H x 554 W x 75.4 D	526 H x 596 W x 77.6 D
Operating Temperature	5 - 131° F -15 - 55° C	5 - 131° F -15 - 55° C	5 - 131° F -15 - 55° C	5 - 131° F -15 - 55° C
Panel Cut-out Size (inches)	12.32" H x 14.49" W	15.16" H x 17.24" W	16.61" H x 19.76" W	19.44" H x 22.2" W
Panel Cut-out Size (mm)	313 H x 368 W	385 H x 438 W	422 H x 501.8 W	493.80 H x 564 W
Weight (Kg)	17.9 lbs (8.1)	24 lbs (10.9)	30.4 lbs (13.8)	37.9 lbs (17.2)
Supply Voltage	115/230V AC or 24V DC	115/230V AC or 24V DC	115/230V AC or 24V DC	115/230V AC or 24V DC
Native Resolution	1024 x 768 / XGA	1280 x 1024 / SXGA	1600 x 1200 / UXGA	1600 x 1200 / UXGA
Resolution Range	VGA / SVGA / XGA	VGA / SVGA / XGA / SXGA	VGA / SVGA / XGA / SXGA / UXGA	VGA / SVGA / XGA / SXGA / UXGA
Front Bezel Sealing	IP66 (Std) IP 67 w / Sealing Kit	IP66 (Std) IP 67 w / Sealing Kit	IP66 (Std) IP 67 w / Sealing Kit	IP66 (Std) IP 67 w / Sealing Kit
Input Sources	DVI, VGA, NTSC	DVI, VGA, NTSC	DVI, VGA, NTSC / PAL / SECAM	DVI, VGA, NTSC / PAL / SECAM
Power Consumption	40W (AC) & 35W (DC)	55W (AC) & 45W (DC)	65W (AC) & 55W (DC)	85W (AC) & 70W (DC)
Options	Stand / Turntable / Sunshade	Stand / Turntable / Sunshade	Stand / Turntable / Sunshade	Stand / Turntable / Sunshade
Mounting Style	Surface / Pedestal	Surface / Pedestal	Surface / Pedestal	Surface / Pedestal
Chassis Enclosure	Modular Aluminium Construction	Modular Aluminium Construction	Modular Aluminium Construction	Modular Aluminium Construction
Chassis Finish	Gray Powder Coated	Gray Powder Coated	Gray Powder Coated	Gray Powder Coated
Limited Warranty	2 Year	2 Year	2 Year	2 Year



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www.nauticomp.com

Specifications subject to change without notice