Reflector Compass SR-165





Class A Magnetic Compass to meet with ISO 449

Saura SR-165 is a Reflector Magnetic Compass designed for sea navigation, complying with the relevant IMO and other major Authority requirements such as; ISO-449(1997), ISO-694(2000), ISO-1069(1973), ISO-2269(1992) and IEC-60945 (2002).

COMPASS BOWL

- Precision directional system design; Card dia. 165mm
- Pivot bearings: iridium and sapphire
- Long lasting inner paint finish, without blister, cracks or discolouring over a long period of time
- Unique bowl design to absorb liquid expansion for leakage and air bubble free operation

BINNACLE STAND

- Full deviation correcting facility including; "B", "C" & Heeling error compensation, Quadrantal correctors and Flinders bars
- Illumination of compass card with dimmer control
- Dual power supply; 100, 110, 200, or 220VAC & 24VDC
- Light in weight for ease of shipyard installation

PERISCOPE

• Telescopic with vertical length of 720mm as standard. Longer telescopic length available on request

INT'L TYPE APPROVAL CERTIFICATE:

• being applied for MED and other Maritime Authorities

Reflector compass bowl	Card dia 165mm
Periscope/optics	Length 680mm as standard
	(Longer length available;
	820mm, 960mm and 1100mm)
Dimmer control;	24VDC, 10w and
dual current	100, 110, 200 or 220VAC
Cover sheet	Canvas w/Tie down strings
Installation materials	Gasket, bolts & nuts
Shadow pins	140mm length, 2 pcs
(supplied with Azimuth	100mm length, 1 pce
Device AD-02)	Pin stand, 1 pce
Deviation adjusting	Correcting magnets;
accessories	Strong 10Φ x 140mm, 10 pcs
	Weak 10Ф x 140mm, 6 pcs
	D Correcting plates, 10 pcs
	Flinders's bars, 5 pcs
Spare parts	Electric bulb, 4 pcs
Optional accessories	Azimuth device AD-02
	Spare bowl in wooden box
	TMC sensor w/NMEA output

Optional Accessories





Spare bowl

SCP-NT Sensor for transmitting compass capability



Azimuth device AD-02

Distributed by:

Accessories for SR-165



SCP-NT Smart Sensor

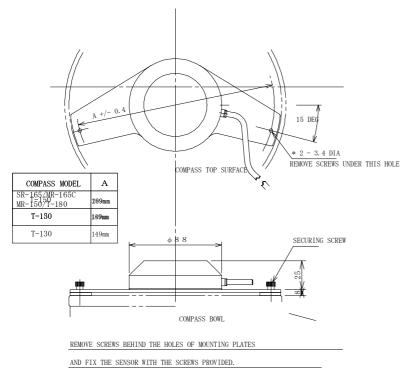
SCP-NT is a pick-off sensor/detector which directly mounts on Saura range of magnetic compasses and provides the magnetic heading reference output to offer TMC capability.

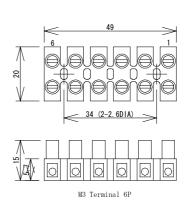
Some of the outstanding features are;

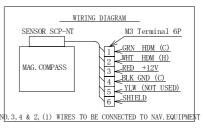
- NMEA Serial data output for direct input to navigational instruments SCP-NT provides heading reference output in NMEA compatible serial sentence format.
 - No interface or junction box is required.
- A choice of HDM and HDT sentences With inner short-pin arrangements, you can select either HDM or HDT output.
- Fine adjustment capability SCP-NT is fitted with a trim adjustment control, which makes it possible to adjust its output for trim outset of +/- 10 degrees if necessary.
- Small and light in weight
 Precision detector/sensing unit and modern electronics for processing the signal all contained in a small low profile enclosure, ensuring the clear visibility of compass card.
- Acrylic mounting base for simple and easy attachment on to Saura range of magnetic compasses SCP-NT will be mounted over the top surface glass of a magnetic compass, thus it is always free from interference which may caused by deviation correcting magnets beneath the compass bowl.



■ Specifications	
Power supply	12VDC - 15VDC
Current drain	120mA typical (under no load)
Output data	NMEA-HDM or NMEA-HDT;
	selectable by inner-short pins
Output cycle	200mS average (fixed)
Azimuth	±1 deg average at 12 cardinal
accuracy	points, $max \pm 2 deg$
Resolution	min. 0.3 deg
Follow-up speed	max. 45 deg/sec
Ambient	−10 to +50 deg Celcius
temperature	
Dimensions &	88mm Φ, 25mm height, 200 grs
weight	(mounting plate not included)







Specifications to change without prior notice.