

SIGMA-120

Echo sounder indicator set



SIGMA- 120

The SIGMA-120 is an echo sounder set and operates with the junction box P-120 and a transducer. The echo sounder can be set to 0-4 and 0-40 meters. Between 0 and 4 meters an alarm can be set to warn the operator if the depth reaches the preset minimum. The SIGMA-120 Echo sounder is specially designed to operate in shallow waters, making it the ideal depth sounder for the commercial inland shipping industry. The information is displayed on an analogue and a digital indicator.

SIGMA:

The SIGMA line is a complete modular range of reliable equipment for inland shipping and inland fishery. Unique is the combination of digital technology and an analog readout.

Sensors:

The SIGMA-120 system operates with a P-120 smart depth sensor interface box and a depth transducer. With use of a built in filter, the P-120 filters out the disruptions of air bubbles, making it possible to indicate with an analogue gauge.

Dimming:

The SIGMA-120 display unit is fitted with a dimming system. This unit can be dimmed synchronized with the rest of the Radio Zeeland DMP display system. Even when used as a repeater, the dimming of the main unit and the repeater can be synchronized.

Colored lighting:

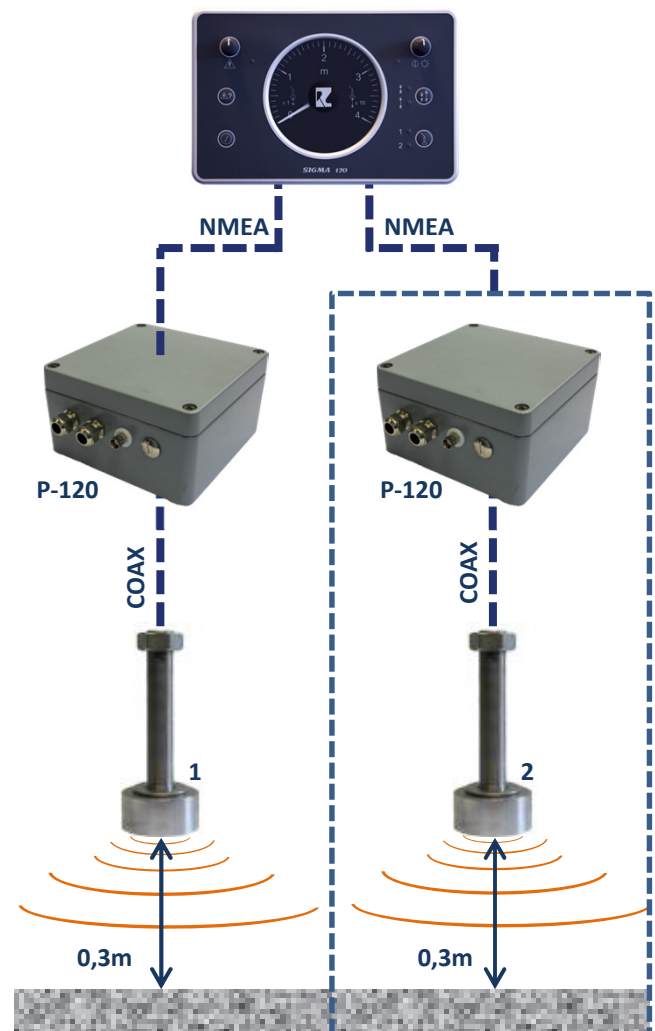
The scale of the SIGMA-120 display unit is illuminated with LED- backlighting. The color of the lighting can be set to three different colors, Red, Yellow or Blue, creating a night view adjustable to personal preferences.

Wake:

The SIGMA-120 is accurate even in the wake of another vessel. This makes the Radio Zeeland DMP depth sounder a unique product on the market.

Shallow waters:

The SIGMA-120 is specially designed to operate in shallow waters. The transducer of the SIGMA-120 is accurate up to 0,3m under the hull, where other depth sounders produce blind spots of over one meter in depth.



RADIO ZEELAND DMP
www.radiozeeland.com

Technical specifications

Display unit housing specifications

Housing	Clear anodized aluminum
Size	236 x 154 x 80 mm
Weight	Net weight 1,30kg
Protection	IP-50
Temperature	0 to + 55°C,
Humidity	0 to 90% non-condensing

Electrical specifications

Main power supply	18 – 36VDC fused @900mA self recovering
Backup power supply	18 – 36VDC fused @900mA self recovering
Amperage	< 1A (without repeaters)

Optical specifications

Indicator scale	0,3 – 4m or 3 – 40m
Dimming range	5 – 100%
Illumination color	Red / Blue / Yellow
Depth alarm	0 – 4m

Outputs

- External dimmer 15VDC PWM with a maximum of 150mA
- Repeater 0 - 1mA
- NMEA out ICE 61161 (DBT, DPT)

Other

Over/voltage protection: Yes

P-120 Sensor specifications

- Supply voltage: 18-36V DC.
- Current consumption: less than 1A.
- The measuring range is 0,3m - 40m.

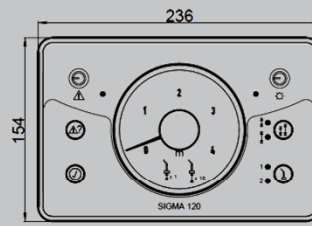
Declaration of conformity

EN 60945 (IEC 945 Third edition: 1996-11) Chapters 9,10,11 and 12

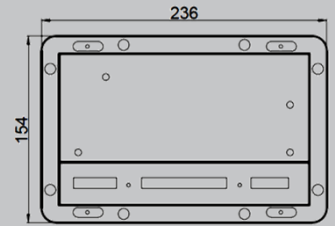
Scope of supply

- The SIGMA-120 Manual
- Display unit SIGMA-120
- The P-120 smart depth sensor interface box
- P-120 Manual
- Transducer 200kHz for depth
- Assembly set

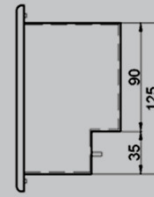
Dimensions in mm:



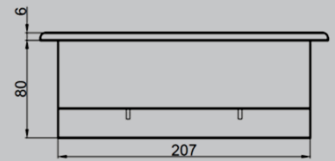
FRONT



BACK

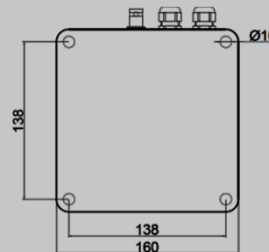


SIDE

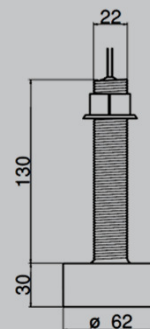


BOTTOM

P-120 Sensor



Transducer



Dealer:



Product is subject to change without notice.