
OVA TRANSDUCERS
OVA
OVA TECHNOLOGY
www.ova.technology
2026

**OVA Technology, founded in 2001, has over 20 years of industry experience. It specializes in the R&D and manufacturing of transducers.**

# History

**2001**
Registered the OVA trademark and initiated the R&D and promotion of low-power transducers.

**2003**
Develop high-power transducers

**2009**
Obtained ISO 9001 certification from CCS.

**2015**
Launched high-performance high-power transducers.

**2019**
Added multiple new designs, and expanded high/low-power transducer series.

**2022**
Launched Doppler and electromagnetic log transducers, and 28k high-power fish finder transducers.

**2024**
Developed and launched CHIRP transducers.

**2025**
Developed multi-beam and phased array transducers.



OVA
OVA TECHNOLOGY

## Chirp Transducers


A-TC333B ..... 04
A-TC232B ..... 05
A-TC23B-H ..... 06
A-TC25S-H ..... 07
A-TC254B-H ..... 08
A-TC372B ..... 09


## Echo Sounder Transducers


A-TD35R-50 ..... 10
A-TD35R-200 ..... 11
A-TD352R-200 ..... 12
A-TD353R-200 ..... 13
A-TD354R-200 ..... 14


## Speed Log Transducers


A-TP820S1M1 Doppler Speed Log Transducer...15
A-TP820S1M2 Doppler Speed Log Transducer...16
A-TE571S Electromagnetic Log Sensor ..... 17
Gate Valve for A-TE571S ..... 18
A-TE571S1 Electromagnetic Log Sensor ..... 19
A-TE571S2 Electromagnetic Log Sensor ..... 20
Gate Valve for A-TE571S1/A-TE571S2..... 21
A-TE521B Electromagnetic Log Sensor ..... 22


## DownScan | SideScan | Echo Sounder Transducer


A-TS274S ..... 23


## NMEA Transducers


A-TN23B ..... 24
A-TN23P ..... 25


## 600w Transducers


A-TD29P ..... 26
A-TD25B ..... 27
A-TD25P ..... 28
A-TD25S ..... 29
A-TD252B ..... 30
A-TD252P ..... 31
A-TD22B ..... 32
A-TD222B ..... 33
A-TD223B ..... 34
A-TD26B ..... 35
A-TD23P ..... 36
A-TD23B ..... 37
A-TD232B ..... 38
A-TD254B ..... 39


## Fish Finder Transducers


A-TD34R-200-D ..... 41
A-TD38R-200-D ..... 42
A-TD38R-200 ..... 43
A-TD37B ..... 44
A-TD372B ..... 45
A-TD32B ..... 46
A-TD38R ..... 47
A-TD382R ..... 48
A-TD68R ..... 49
A-TD882R ..... 50
A-TD88R-50 ..... 51
A-TD98R ..... 52
A-TD372R ..... 53
A-TD683P-28 ..... 54
A-TD884P-28 ..... 55
A-TD682P-50 ..... 56
A-TD883P-50 ..... 57


## Connector


Supports Customization Connector..... 58


## Sensors


CP90 Heading Sensor ..... 59
RC42S Rate Compass ..... 60


## Water Temperature Transducer


A-TT03B ..... 40


*Optional depth+temperature ( Marked product)




www.ova.technology

OVA
OVA TECHNOLOGY

Model **A-TC333B**

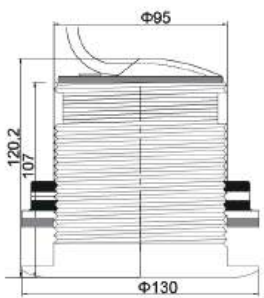
## Tilted Element 0°,12°, 20°



| Specifications | |
|---|---|
| **Frequency** | Chirp L(40-60 kHz)<br>M(85-135 kHz)<br>H(130-210KHz)<br>HW(150-250KHz) |
| **Power** | 1KW |
| **Cable Length** | 10m |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



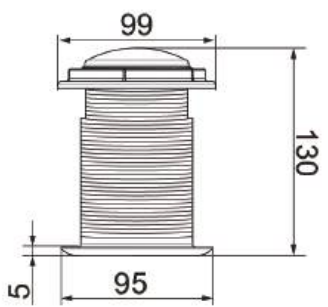
Model **A-TC232B**

## Tilted Element 0°,12°, 20°



| Specifications | |
|---|---|
| **Frequency** | Chirp L(40-60 kHz)<br>M(85-135 kHz)<br>H(130-210KHz)<br>HW(150-250KHz) |
| **Power** | 600W |
| **Cable Length** | 10m |
| **Material** | Bronze |

**Dimension Drawing** Unit: mm



OVA
OVA TECHNOLOGY

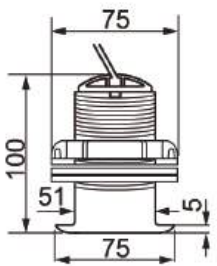
Model **A-TC23B-H**



| Specifications | |
|---|---|
| **Frequency** | Chirp H(130-210KHz) |
| **Power** | 600W |
| **Cable Length** | 10m |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



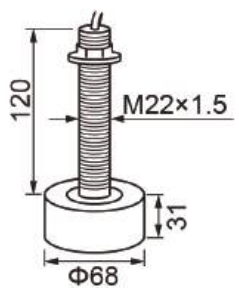
Model **A-TC25S-H**



| Specifications | |
|---|---|
| **Frequency** | Chirp H(130-210KHz) |
| **Power** | 600W |
| **Cable Length** | 10m |
| **Material** | Stainless Steel |

**Dimension Drawing**

Unit: mm



OVA
OVA TECHNOLOGY

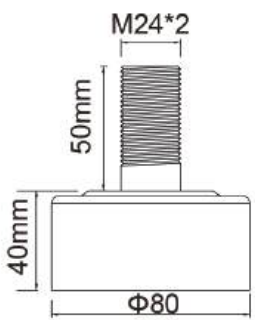
Model **A-TC254B-H**



| Specifications | |
|---|---|
| **Frequency** | Chirp H(130-210KHz) |
| **Power** | 600W |
| **Cable Length** | 10m |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



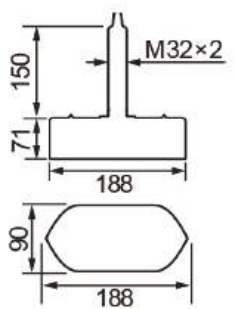
Model **A-TC372B** **Dual Frequency**



| Specifications | |
|---|---|
| **Frequency** | Chirp L/H<br>Low: 40-60 kHz<br>High: 130-210 kHz |
| **Power** | 1KW |
| **Cable Length** | 10m |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



Model **A-TD35R-50**

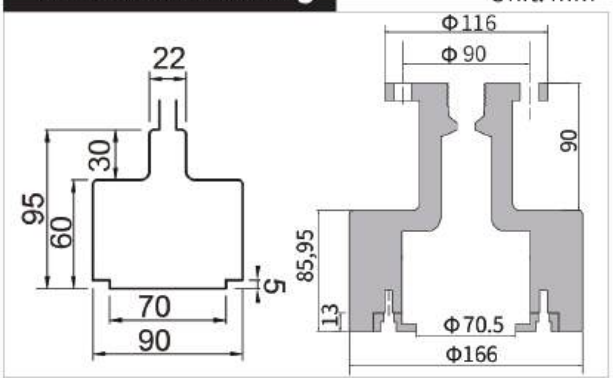





| Specifications | |
|---|---|
| **Frequency** | 50KHz |
| **Power** | 1KW |
| **Beam width/Impedance** | 44° / 250Ω ±40% |
| **Cable Length** | 12m |
| **Material** | Rubber |

**Dimension Drawing**

Unit: mm



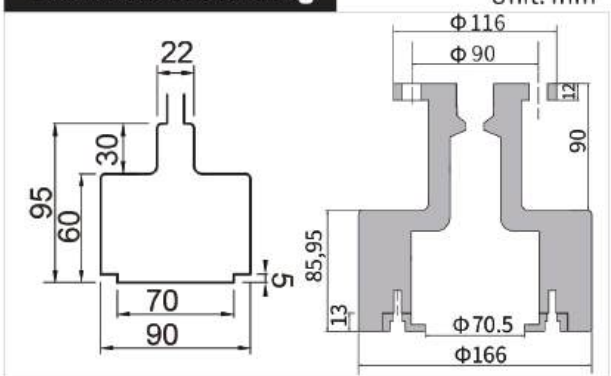
Model **A-TD35R-200**




| Specifications | |
|---|---|
| **Frequency** | 200KHz |
| **Power** | 1KW |
| **Beam width/Impedance** | 11° / 250Ω ±40% |
| **Cable Length** | 12m |
| **Material** | Rubber |

**Dimension Drawing**

Unit: mm

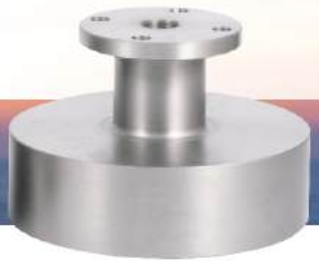


OVA
OVA TECHNOLOGY

Model **A-TD352R-200**



**Tank （Optional）**

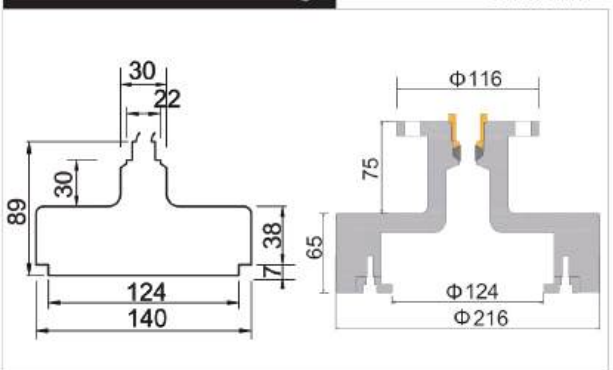


## Specifications

| | |
|---|---|
| **Frequency** | 200KHz |
| **Power** | 1KW |
| **Beam width/Impedance** | 6° / 60Ω ±40% |
| **Cable Length** | 20m |
| **Material** | Rubber |

## Dimension Drawing

Unit: mm



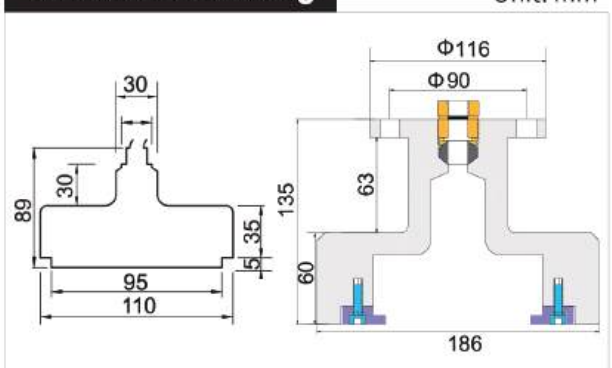
Model **A-TD353R-200**




| Specifications | |
|---|---|
| Frequency | 200KHz |
| Power | 2KW |
| Beam width/Impedance | 5.5° /160Ω ±30% |
| Cable Length | 20m |
| Material | Rubber |

**Dimension Drawing**

Unit: mm



Model **A-TD354R-200**



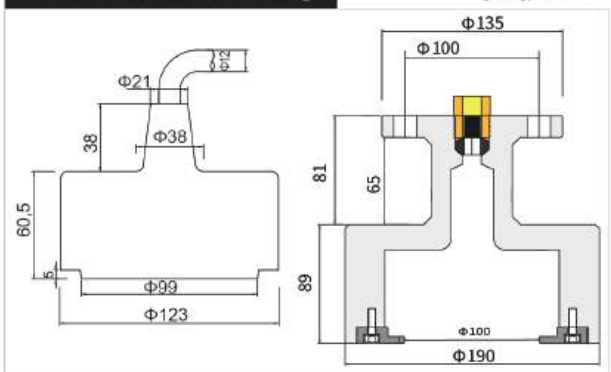



## Specifications

| | |
|---|---|
| **Frequency** | 200KHz |
| **Power** | 1KW |
| **Beam width/Impedance** | 5.5° / 160Ω ±30% |
| **Cable Length** | 20m |
| **Material** | Rubber |

## Dimension Drawing

Unit: mm



OVA
OVA TECHNOLOGY

Model **A-TP820S1M1 (Single-Axis)**

# Doppler Speed Log Transducer & Tank & Gate Valve

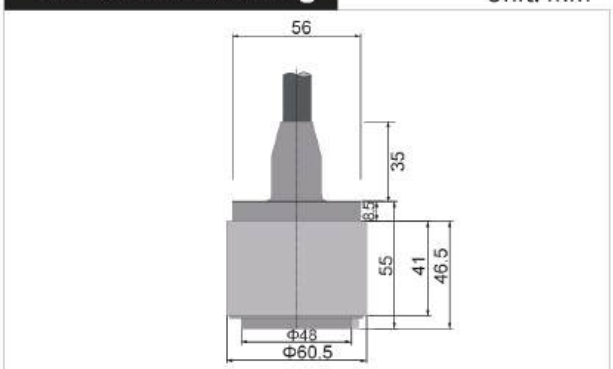


## Specifications

| | |
|---|---|
| **Operation Frequency** | 1MHz |
| **Speed Measurement Range** | Longitudinal: -40.0 ~ 40.0kn |
| **Temperature** | -5°C~+35°C |
| **Protection Level** | IPX8 |

## Dimension Drawing

Unit: mm



OVA
OVA TECHNOLOGY

Model **A-TP820S1M2 (Dual-Axis)**

## Doppler Speed Log Transducer & Tank & Gate Valve

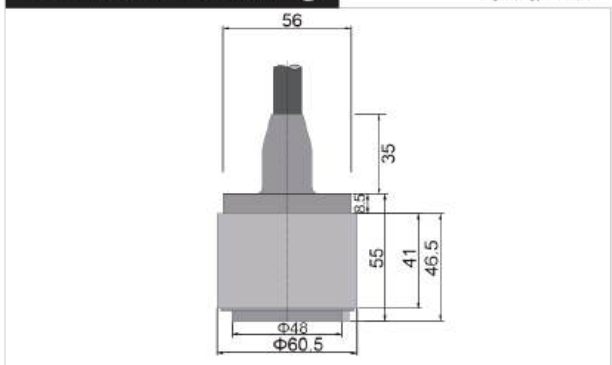


### Specifications

| | |
|---|---|
| **Operation Frequency** | 1MHz |
| **Speed Measurement Range** | Longitudinal: -40.0 ~ 40.0kn<br>Transverse: -40.0 ~ 40.0kn |
| **Temperature** | -5°C~+35°C |
| **Protection Level** | IPX8 |

### Dimension Drawing

Unit: mm



## Model A-TE571S Electromagnetic Speed Log Sensor

The electromagnetic sensor houses a coil which, when energised with an AC current, produces a magnetic field around the sensor in the surrounding water. The ship's motion through the water produces an electrical field perpendicular to the magnetic field and the ship's motion. The resulting signal is picked up by the sensor electrodes and fed to the preamplifier, where it is converted into a digital format and transmitted to the master unit.



## Features

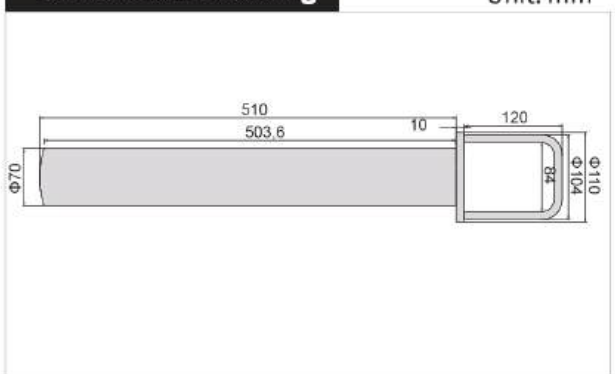
- Supports hot plugging
- Good linearity
- High sensitivity
- Backward speed can be measured

## Range

Speed: –40kn~40kn

## Dimension Drawing

Unit: mm



# Gate Valve

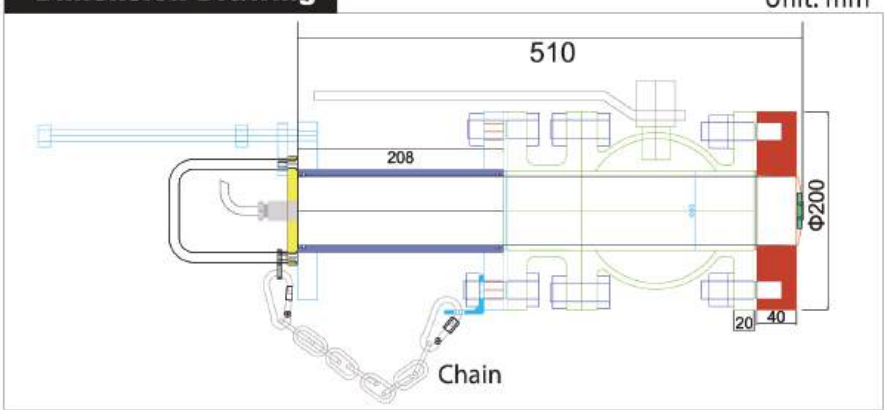
## For Electromagnetic Speed Log Sensor A-TE571S





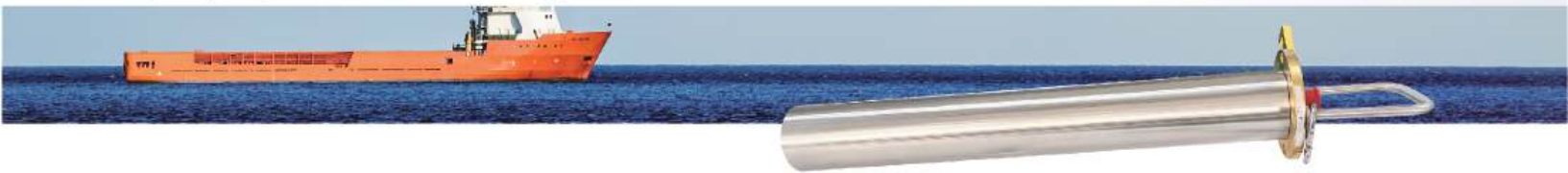
**Dimension Drawing**

Unit: mm



# Model A-TE571S1 Electromagnetic Speed Log Sensor(Single-Axis)

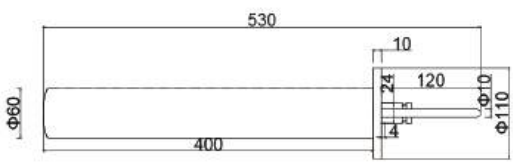
The electromagnetic sensor houses a coil which, when energised with an AC current, produces a magnetic field around the sensor in the surrounding water. The ship's motion through the water produces an electrical field perpendicular to the magnetic field and the ship's motion. The resulting signal is picked up by the sensor electrodes and fed to the preamplifier, where it is converted into a digital format and transmitted to the master unit.



## Specifications

| | |
|---|---|
| **Speed Measurement Range** | Longitudinal: -40.0 ~ 40.0 kn |
| **Speed accuracy** | ± 2% or 0.2 kn, whichever is greater |
| **Temperature** | -5°C~+35°C |
| **Protection Level** | IPX8 |

## Dimension Drawing



OVA
OVA TECHNOLOGY

# Model A-TE571S2 Electromagnetic Speed Log Sensor(Dual-Axis)

The electromagnetic sensor houses a coil which, when energised with an AC current, produces a magnetic field around the sensor in the surrounding water. The ship's motion through the water produces an electrical field perpendicular to the magnetic field and the ship's motion. The resulting signal is picked up by the sensor electrodes and fed to the preamplifier, where it is converted into a digital format and transmitted to the master unit.

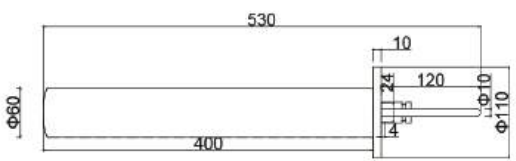


## Specifications

| | |
|---|---|
| **Speed Measurement Range** | Longitudinal: -40.0 ~ 40.0 kn<br>Transverse: -40.0 ~ 40.0 kn |
| **Speed accuracy** | ± 2% or 0.2 kn, whichever is greater |
| **Temperature** | -5°C~+35°C |
| **Protection Level** | IPX8 |

## Dimension Drawing

Unit: mm



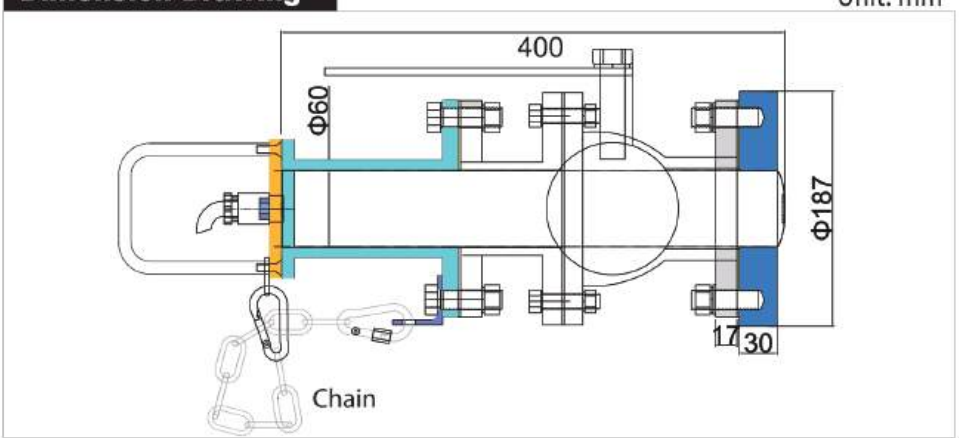
# Gate Valve

## For Electromagnetic Speed Log Sensor A-TE571S1/A-TE571S2



**Dimension Drawing**

Unit: mm



OVA
OVA TECHNOLOGY

# Model A-TE521B Electromagnetic Speed Log Sensor

The electromagnetic sensor houses a coil which, when energised with an AC current, produces a magnetic field around the sensor in the surrounding water. The ship's motion through the water produces an electrical field perpendicular to the magnetic field and the ship's motion. The resulting signal is picked up by the sensor electrodes and fed to the preamplifier, where it is converted into a digital format and transmitted to the master unit.

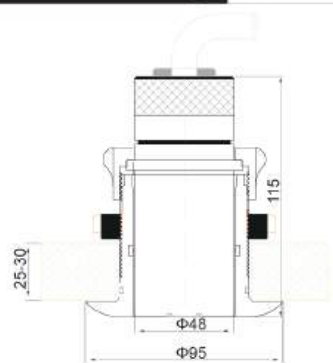


## Specifications

| | |
|---|---|
| **Speed Measurement Range** | Longitudinal: -12.5 ~ 40.0 kn |
| **Speed accuracy** | ± 2% or 0.2 kn, whichever is greater |
| **Temperature** | -5°C~+35°C |
| **Protection Level** | IPX8 |

## Dimension Drawing

Unit: mm



# Model A-TS274S DownScan | SideScan | Echo Sounder Transducer

Provide a clear image of the shallower depths below the vessel and what is happening on either side of the vessel,quickly transmitting the temperature of the water.
Clearer than traditional sonar in terms of imagery and can image the structure.

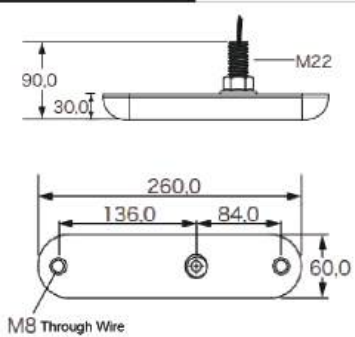


## Specifications

| | |
|---|---|
| **Frequency/Power** | 455&800KHz/300W<br>200&83KHz/300W |
| **Beam width/Impedance** | 3° &40°<br>12° |
| **Cable Length** | 8M |
| **Material** | Stainless steel |

## Dimension Drawing

Unit: mm



OVA
OVA TECHNOLOGY

# Model A-TN23B(NMEA0183/NMEA2000)



## Specifications

| | |
|---|---|
| **Frequency/Power** | 200KHz/300W |
| **Material** | Bronze |
| **Minimum Depth Range** | 0.5 m (1.6′) |
| **Maximum Depth Range** | Up to 100 m (330′) |
| **Supply Voltage** | 5 VDC to 15 VDC |
| **Standard Cable Length** | 10 m (33′) |
| **Depth Accuracy** | ±0.1m |
| **Temperature Accuracy** | ±0.5°C |
| **Temperature Sensor Range** | -10°C to 40°C |

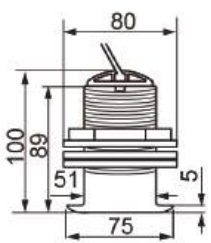
## Data Output Protocol

**NMEA 0183 Sentence Structure**

$SDDPT ..... Depth
$SDMTW ..... Water Temperature
Frames Rate: 1Hz, Baud Rate: 4800bps

## Dimension Drawing

Unit: mm



# Model A-TN23P(NMEA0183/NMEA2000)



## Specifications

| | |
|---|---|
| **Frequency/Power** | 200KHz/300W |
| **Material** | Plastic |
| **Minimum Depth Range** | 0.5 m (1.6') |
| **Maximum Depth Range** | Up to 100 m (330') |
| **Supply Voltage** | 5 VDC to 15 VDC |
| **Standard Cable Length** | 10 m (33') |
| **Depth Accuracy** | ±0.1m |
| **Temperature Accuracy** | ±0.5°C |
| **Temperature Sensor Range** | -10°C to 40°C |

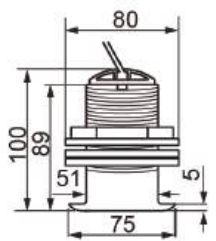
## Data Output Protocol

**NMEA 0183 Sentence Structure**

$SDDPT ..... Depth
$SDMTW ..... Water Temperature
Frames Rate: 1Hz, Baud Rate: 4800bps

## Dimension Drawing

Unit: mm



Model **A-TD29P** **Transom Transducer**

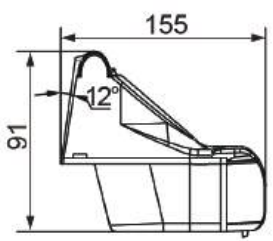
With water temperature and flow rate



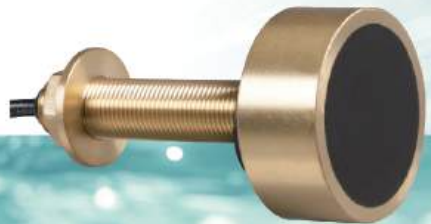
| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 45° &11°<br>100Ω&200Ω ±30% |
| **Cable Length/Pin** | 8m/10P |
| **Material** | Plastic |

**Dimension Drawing**

Unit: mm



Model **A-TD25B**



| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 45° *12°<br>200Ω&300Ω ±30% |
| **Cable Length** | 10m |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



OVA
OVA TECHNOLOGY

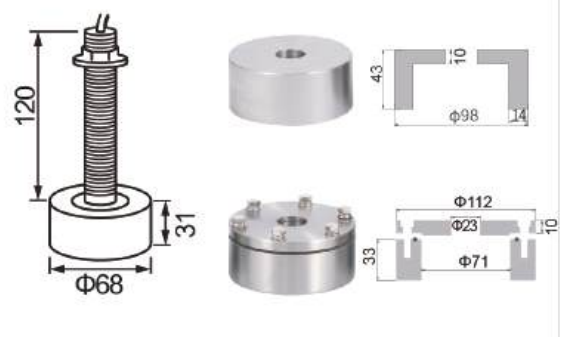
Model **A-TD25P**



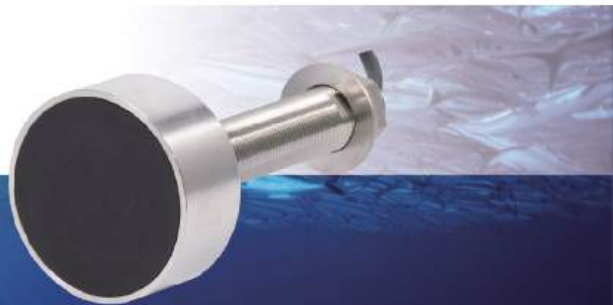
| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 45° *12°<br>200Ω&300Ω ±30% |
| **Cable Length** | 10m |
| **Material** | Plastic |

**Dimension Drawing**

Unit: mm



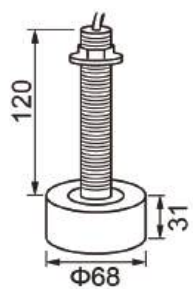
Model **A-TD25S**



| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 45° *12°<br>200Ω&300Ω ±30% |
| **Cable Length** | 10m |
| **Material** | Stainless Steel |

**Dimension Drawing**

Unit: mm



OVA
OVA TECHNOLOGY

Model **A-TD252B**

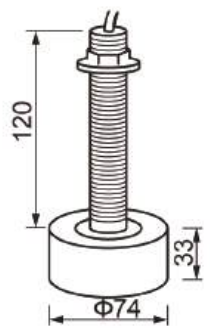


## Specifications

| | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 40° &14°<br>200Ω &300Ω ±30% |
| **Cable Length** | 10m |
| **Material** | Bronze |

## Dimension Drawing

Unit: mm



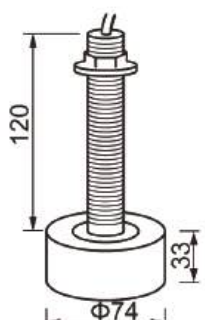
Model **A-TD252P**



| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 40° &14°<br>200Ω &300Ω ±30% |
| **Cable Length** | 10m |
| **Material** | Plastic |

**Dimension Drawing**

Unit: mm



OVA
OVA TECHNOLOGY

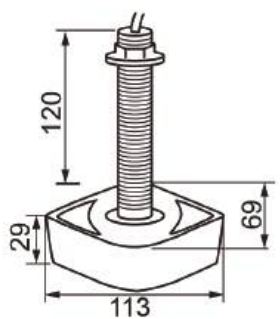
Model **A-TD22B**



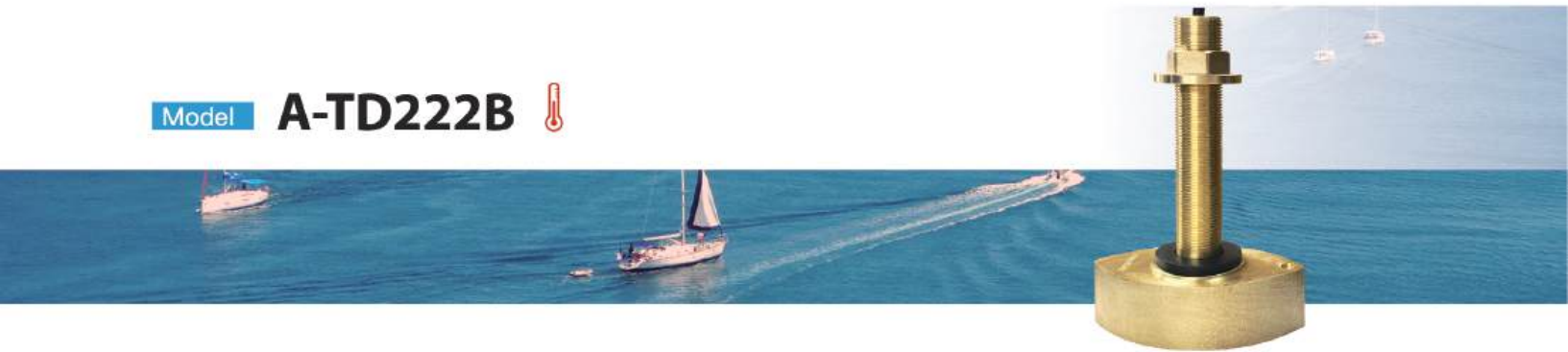
| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 40° &11°<br>200Ω &300Ω ±30% |
| **Cable Length** | 10m |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



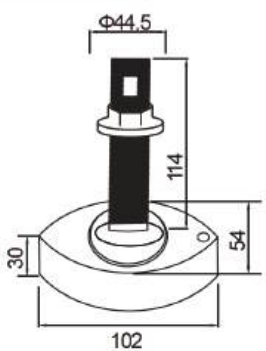
Model **A-TD222B**



| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 40° &11°<br>200Ω &300Ω ±30% |
| **Cable Length** | 10m |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



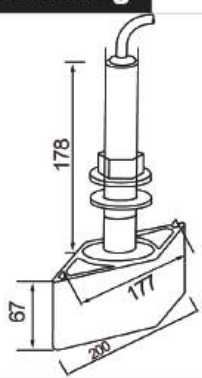
Model **A-TD223B**



| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 45° *12°<br>200Ω&300Ω ±30% |
| **Cable Length** | 10m |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



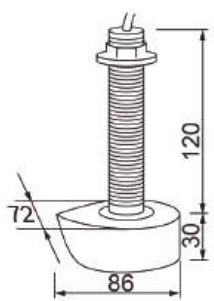
Model **A-TD26B**



| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 55° &14°<br>200Ω &300Ω ±30% |
| **Cable Length** | 10m |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



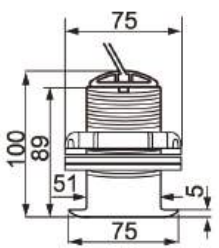
Model **A-TD23P**



| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 45° *12°<br>200Ω&300Ω ±30% |
| **Cable Length** | 10m |
| **Material** | Plastic |

**Dimension Drawing**

Unit: mm



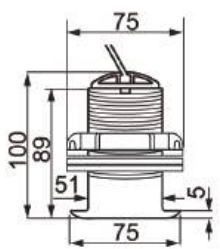
Model **A-TD23B**



| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 45° *12°<br>200Ω&300Ω ±30% |
| **Cable Length** | 10m |
| **Material** | Bronze |

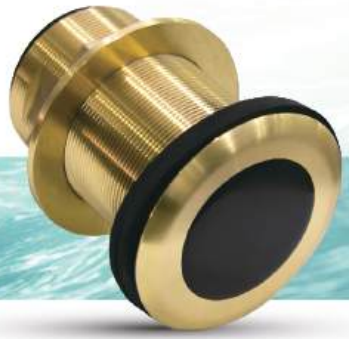
**Dimension Drawing**

Unit: mm



Model **A-TD232B**

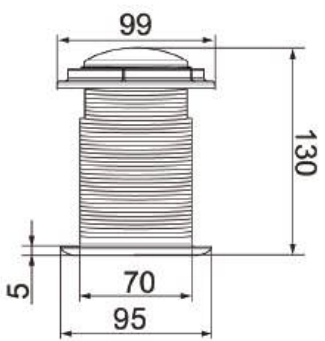
Tilted Element **0°,12°, 20°**



| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 600W |
| **Beam width/Impedance** | 24° * 16°<br>200Ω & 300Ω ±30% |
| **Cable Length** | 12m |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



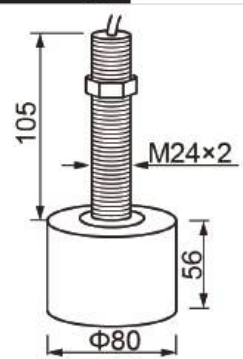
Model **A-TD254B/A-TD354B-50/A-TD354B-200**



| Specifications | |
|---|---|
| **Frequency/Power** | 50&200KHz/600W<br>50KHz/1KW<br>200KHz/1KW |
| **Beam width/ Impedance** | 35° &11° / 380Ω &350Ω ±30%<br>28° /150Ω ±30%<br>10° /200Ω ±30% |
| **Cable Length/Pin** | 10m/3P |
| **Material** | Bronze |

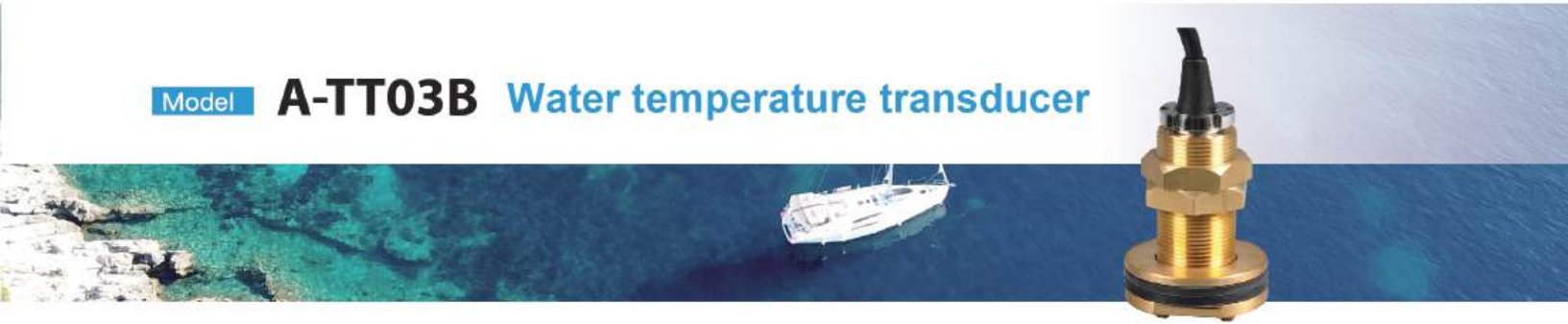
**Dimension Drawing**

Unit: mm



OVA
OVA TECHNOLOGY

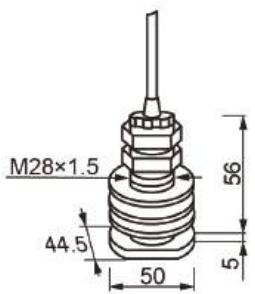
Model **A-TT03B** **Water temperature transducer**



| Specifications | |
|---|---|
| **Cable length** | 10M/15M |
| **Pin** | 8P |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



Model **A-TD34R-200-D**

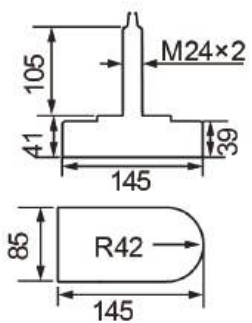


## Specifications

| | |
|---|---|
| **Frequency** | 200KHz |
| **Power** | 1KW |
| **Beam width/Impedance** | 11°<br>300Ω ±30% |
| **Cable Length/Pin** | 10m/3P |
| **Material** | Bronze |

## Dimension Drawing

Unit: mm



OVA
OVA TECHNOLOGY

Model **A-TD38R-200-D**

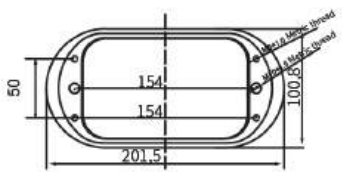


## Specifications

| | |
|---|---|
| **Frequency** | 200KHz |
| **Power** | 1.5KW |
| **Beam width/Impedance** | 6° *10°<br>150Ω ±30% |
| **Cable Length/Pin** | 15m/3P |
| **Material** | Rubber |

## Dimension Drawing

Unit: mm

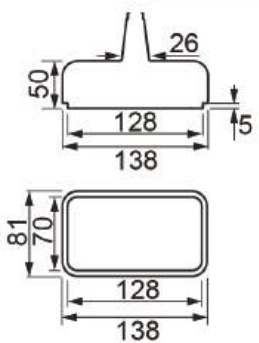


Model **A-TD38R-200**



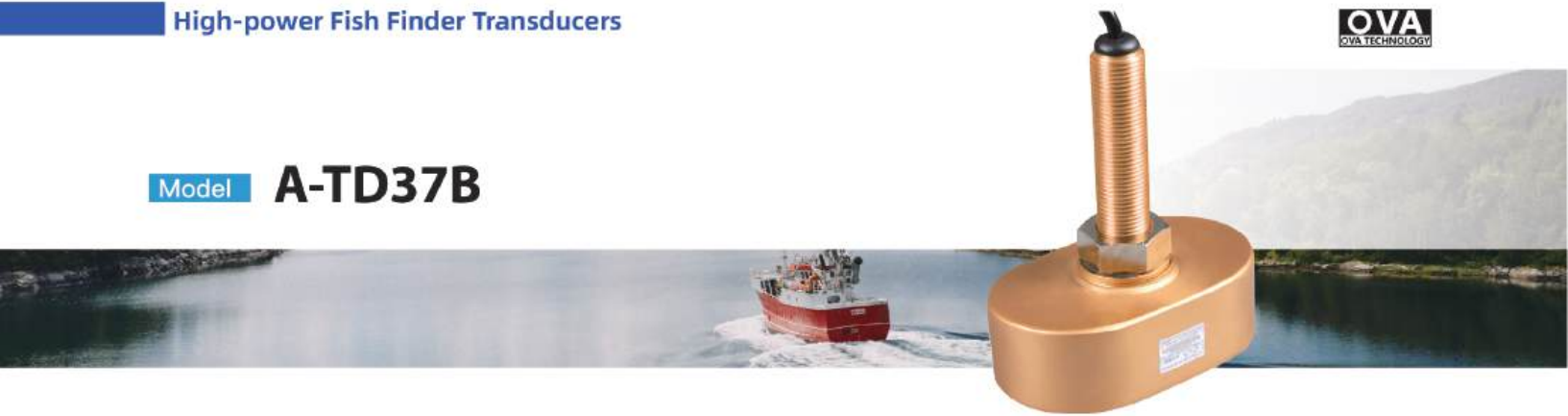
| Specifications | |
|---|---|
| **Frequency** | 200KHz |
| **Power** | 1.5KW |
| **Beam width/Impedance** | 6° *10°<br>150Ω ±30% |
| **Cable Length/Pin** | 15m/3P |
| **Material** | Rubber |

**Dimension Drawing** Unit: mm



OVA
OVA TECHNOLOGY

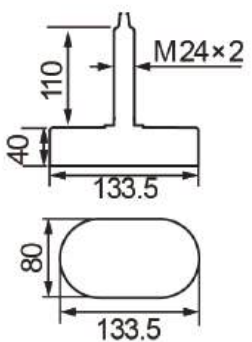
Model **A-TD37B**



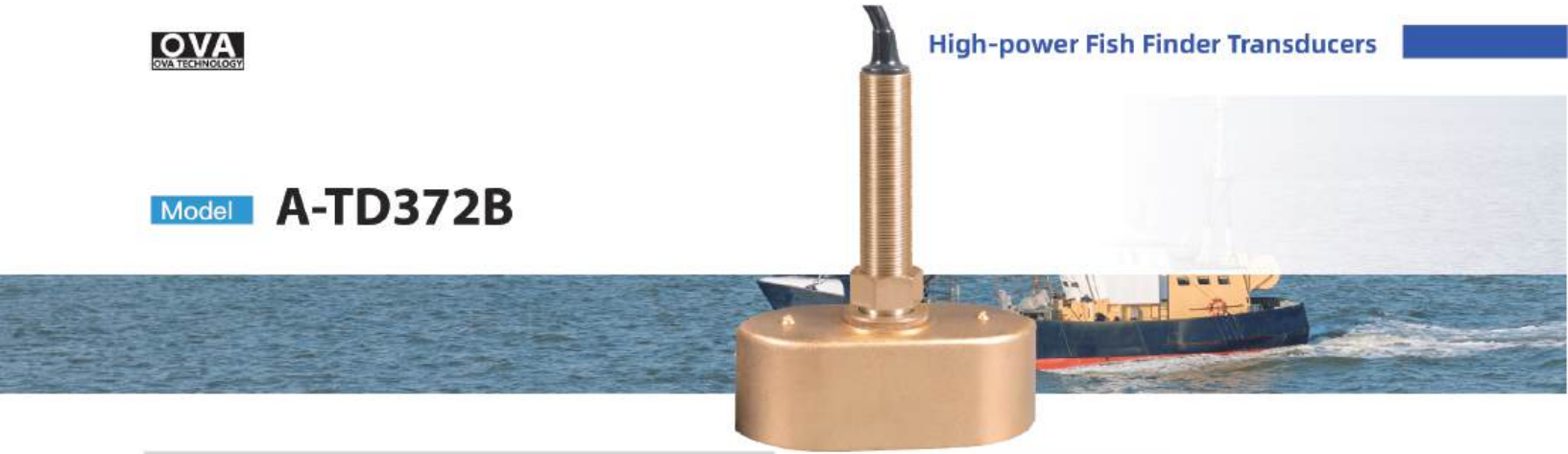
| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 1KW |
| **Beam width/Impedance** | 18° * 18° & 6° * 12°<br>100Ω & 200Ω ±30% |
| **Cable Length/Pin** | 10m/3P |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



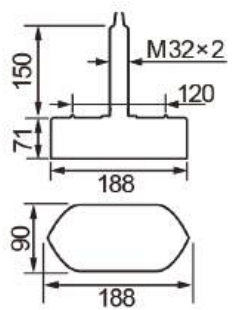
Model **A-TD372B**



| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 1.2KW |
| **Beam width/Impedance** | 28° &10°<br>150Ω &300Ω ±30% |
| **Cable Length/Pin** | 15m/5P |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



OVA
OVA TECHNOLOGY

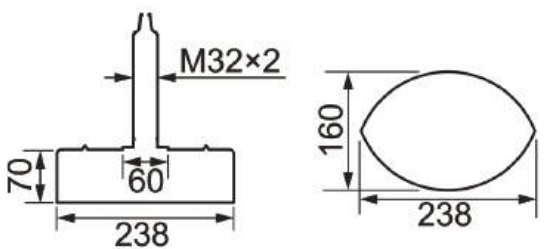
Model **A-TD32B**



| Specifications | |
|---|---|
| **Frequency/Power** | 50KHz/ 1.8KW& &<br>200KHz/ 1KW |
| **Beam width/Impedance** | 14° * 14°& 10°<br>50Ω & 300Ω ±30% |
| **Cable Length/Pin** | 15m/5P |
| **Material** | Bronze |

**Dimension Drawing**

Unit: mm



Model **A-TD38R**

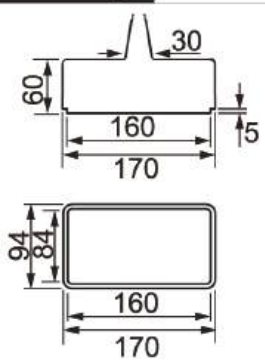




| Specifications | |
|---|---|
| **Frequency** | 50&200KHz |
| **Power** | 1KW |
| **Beam width/Impedance** | 28° * 10°<br>150Ω & 300Ω ±30% |
| **Cable Length/Pin** | 15m/5P |
| **Material** | Rubber |

**Dimension Drawing**

Unit: mm



OVA
OVA TECHNOLOGY

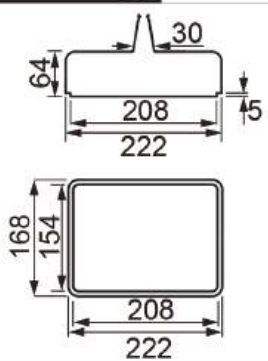
Model **A-TD382R**



| Specifications | |
|---|---|
| **Frequency/Power** | 50KHz/1.8KW &<br>200KHz/1KW |
| **Beam width/Impedance** | 14° *14° &10°<br>50Ω&300Ω ±30% |
| **Cable Length/Pin** | 15m/5P |
| **Material** | Rubber |

**Dimension Drawing**

Unit: mm



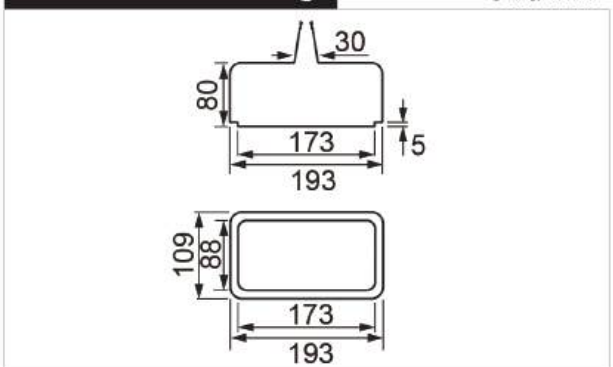
Model **A-TD68R**



| Specifications | |
|---|---|
| **Frequency/Power** | 50KHz/2KW&200KHz/1KW |
| **Beam width/ Impedance** | 16° *12° &6° *12° 60Ω&250Ω ±30% |
| **Cable Length/Pin** | 15m/5P |
| **Material** | Rubber |

**Dimension Drawing**

Unit: mm



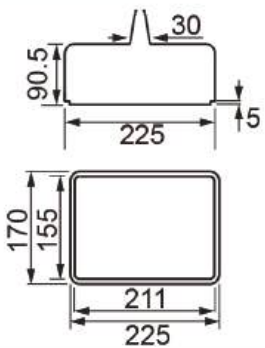
Model **A-TD882R**



| Specifications | |
|---|---|
| **Frequency/Power** | 50KHz/3KW&<br>200KHz/1KW |
| **Beam width/Impedance** | 12° *20° &6° *12°<br>100Ω&250Ω ±30% |
| **Cable Length/Pin** | 15m/5P |
| **Material** | Rubber |

**Dimension Drawing**

Unit: mm

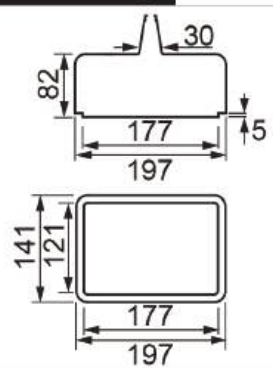


Model **A-TD88R-50**



| Specifications | |
|---|---|
| **Frequency** | 50KHz |
| **Power** | 3KW |
| **Beam width/Impedance** | 12° *20°<br>100Ω ±30% |
| **Cable Length** | 15m |
| **Material** | Rubber |

**Dimension Drawing**



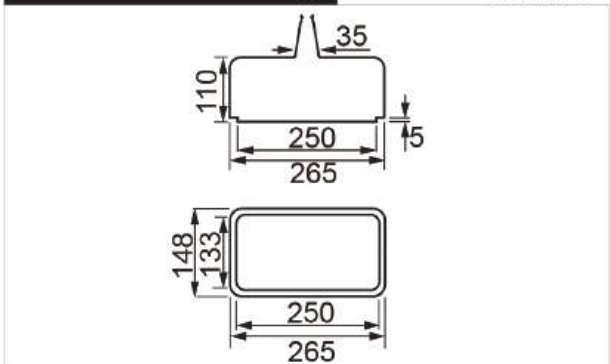
Model **A-TD98R**



| Specifications | |
|---|---|
| Frequency | 40&75KHz |
| Power | 5KW |
| Beam width/Impedance | 13° *18° &10° *16 |
| Cable Length/Pin | 15m/3P |
| Material | Rubber |

**Dimension Drawing**

Unit: mm



Tank （Optional）

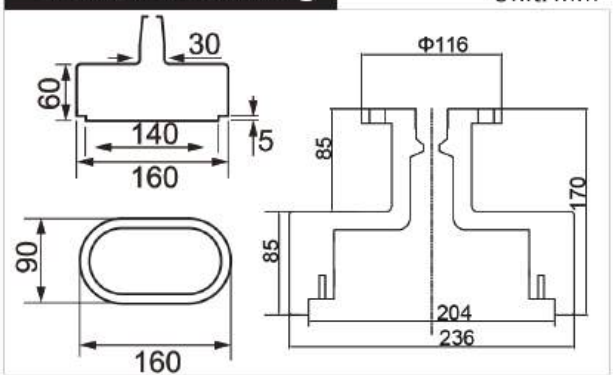
Model **A-TD372R**





| Specifications | |
|---|---|
| **Frequency** | 50KHz |
| **Power** | 1.5KW |
| **Beam width/Impedance** | 12° *28° / 100Ω ±30% |
| **Cable Length** | 15m |
| **Material** | Rubber |

**Dimension Drawing** Unit: mm



OVA
OVA TECHNOLOGY

Model **A-TD683P-28**

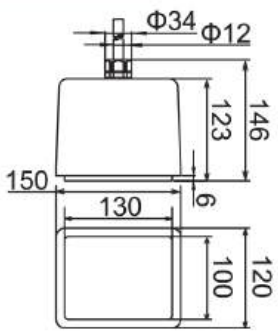


## Specifications

| | |
|---|---|
| **Frequency** | 28KHz |
| **Power** | 2KW |
| **Beam width/Impedance** | 22° *32° / 60Ω ±30% |
| **Cable Length** | 15m |
| **Material** | Plastic |

## Dimension Drawing

Unit: mm



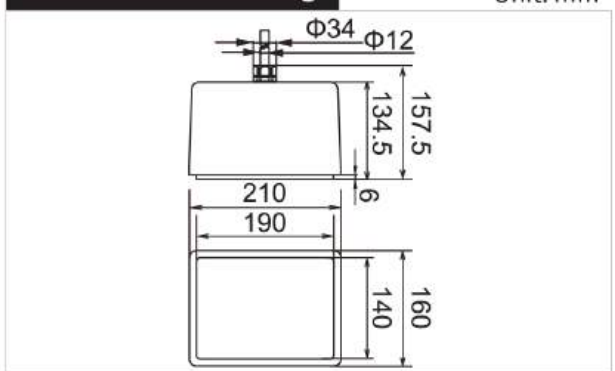
Model **A-TD884P-28**



| Specifications | |
|---|---|
| **Frequency** | 28KHz |
| **Power** | 3KW |
| **Beam width/Impedance** | 16° *21.5° / 60Ω ±30% |
| **Cable Length** | 15m |
| **Material** | Plastic |

**Dimension Drawing**

Unit: mm

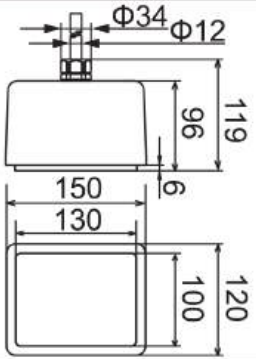


Model **A-TD682P-50**



| Specifications | |
|---|---|
| **Frequency** | 50KHz |
| **Power** | 2KW |
| **Beam width/Impedance** | 14° *18.5° / 70Ω ±30% |
| **Cable Length** | 15m |
| **Material** | Plastic |

**Dimension Drawing** Unit: mm



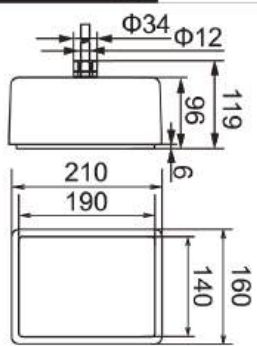
Model **A-TD883P-50**



| Specifications | |
|---|---|
| **Frequency** | 50KHz |
| **Power** | 3KW |
| **Beam width/Impedance** | 9° *14° / 70Ω ±30% |
| **Cable Length** | 15m |
| **Material** | Plastic |

**Dimension Drawing**

Unit: mm



# Connector

Support Customization



3pin



8pin



3pin



5pin



4pin



6pin



8pin



9pin



10pin

# Model CP90 Heading Sensor

Compass converter, mounted on the surface of the magnetic compass, converts the signal of magnetic compass into a digital signal to be display and output;
Digital tube display heading data



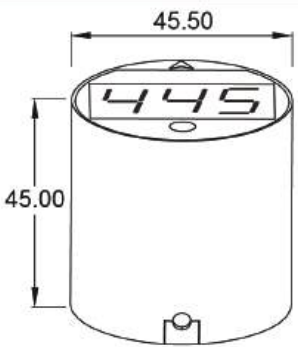

Adjust the frequency, baud rate, magnetic declination and other settings of NMEA0183 statement output by button

## Specifications

| | |
|---|---|
| **Power** | DC24V（10-35 V） |
| **Data Interface** | RS-422 |
| **Baud Rate** | 4800(default),9600,19200,38400, 57600,115200 |
| **Data Format** | NMEA0183：HDT、HDM、HDG |
| **Data Output Frequency** | 1Hz(default),5Hz, 10Hz,20Hz |

## Dimension Drawing

Unit: mm



# RC42S Rate Compass

Electronic compass heading output, calculated according to the magnetic field.

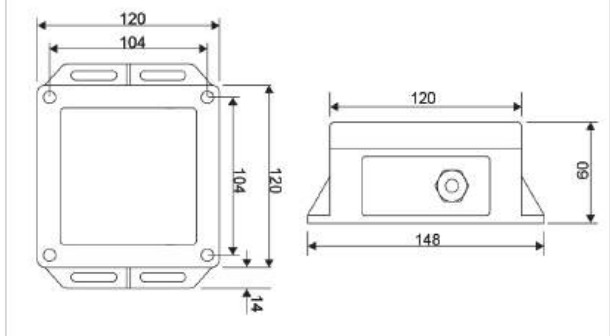


## Specifications

| | |
|---|---|
| **Compass accuracy** | 2° RMS（Pitch＜40°）,<br>2.5° RMS (Pitch<60°),<br>3° RMS (Pitch<80°) |
| **Heading Display Resolution** | 0.1° |
| **Roll / roll range** | ±90°/±360° |
| **Attitude parameters** | after calibration±2°; |
| **Interface** | NMEA0183 RS422, NMEA2000 |
| **Supply voltage** | 9 VDC to 32 VDC |

## Dimension Drawing

Unit: mm




OVA
OVA TECHNOLOGY
www.ova.technology