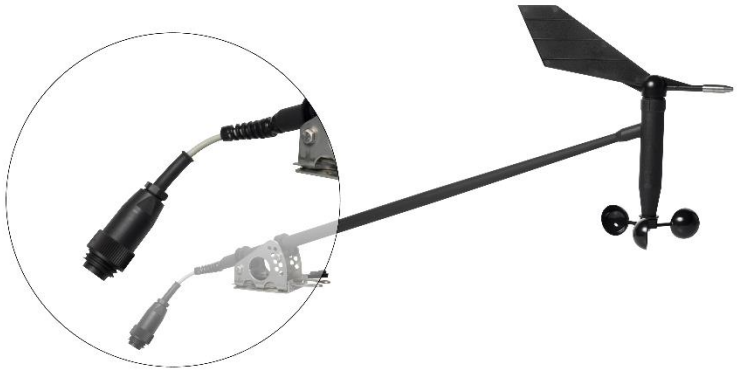
Analogue Wind Sensor

Description
VDO Analogue Wind Sensor is one of the most accurate wind sensors. It was developed to support all kinds of sailors, showing wind speed and wind angle data.
The sensor sends apparent wind data signals. These can be easily recalculated by AcquaLink system or compatible systems (a boat speed data has to be present), so that the user can decide to sail using Apparent or True information.
The sensor can have 2 different kinds of cable length: 10 and 30 meters. The cables enable easier installation and refitting (installation bracket included in the packaging).
Installation with bracket permits different methods: Top mast and lateral mast installation (for higher detail please refer to installation instruction manual).
The legacy wind vane turns in the direction of the wind and steers the wind direction gauge. The wind cups record the relative wind speed, which in turn, is displayed on the wind speed gauge. It is also compatible with VDO "standard", and "Logic" series.



A2C59501983

Part Number	Description	Type	Measurement range
A2C59501983	Analogue Wind Sensor	Analogue	725mm x 360mm

Features

- 7 pins RD24 Series 692 (29mm diam.)
- 360° movement (wind vane and Wind rotor)
- < 30 mA
- Operating temperature range -10 °C / +65 °C
- Storage temperature range -30 °C / +80 °C
- Wind Vane with contactless inductive sensor
- Compatible with old series (Standard and Logic)

VDO – A trademark of the Continental Corporation

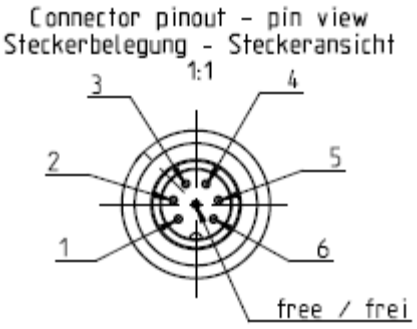
Technical Data	
Dimensions	WxH: 725mmx360mm
Operating Voltage	8 Volt (10-32V through NavBox)
Current Consumption	<30 mA
Operating Temperature	-10°C to +65°C
Storage Temperature	-30°C to +80°C
Measuring principle (wind direction)	Wind Vane with contactless inductive sensor
Measuring principle (wind Speed)	Impeller with Hall chip
Accuracy (direction)	+/-2°
Reading(direction)	Analogue Sin/Cos
Operating range (direction)	+/-180°
Accuracy (Speed)	+/-0.5 at low speed
Reading (speed)	Hall pulses
Operation range (speed)	1.0-68Knots
Mounting/Fixing	Top mast mount or later mast mount
Protection Class	IEC 60945 exposed equipment (extended IPX6)
Flammability Cable	UL-94 V0
EMC	IEC 60945:2002 / ISO7637-2
Reverse Polarity Protection	Yes, 1 minute
Short Circuit Protection	Yes, 1 minute
Approval	CE

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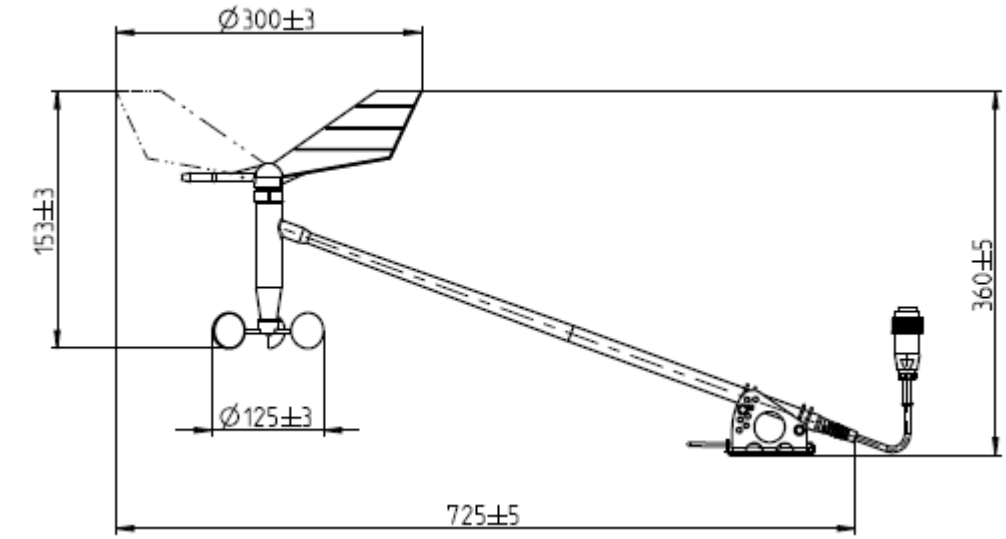
Connectors

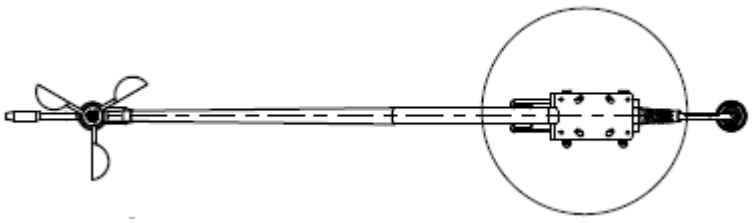
Analogue 7 pin:

Pins	Function
1	Sensor PWR
2	Sensor PWR
3	COS
4	GND
5	SIN
6	WIND Speed
7	Empty



Mechanical Design





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Accessories

Part Number	Item specifics
A2C59501952	WIND (analogue) cable 10m
A2C99792900	WIND (analogue) cable 30m
N05-800-356	Wind Vane for New type Masthead
N05-801-448	Anemometer cup rotor
A2C38804900	Infield Installation Connector WIND

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