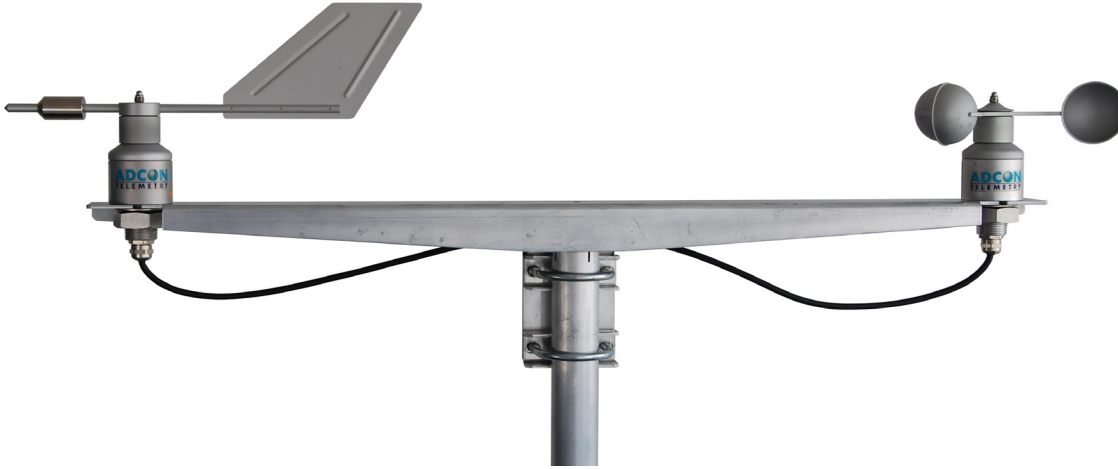


Applications

Meteo Observation
Frost warning



ADCON Model Pro 10/2

Wind Speed and Direction Sensors

Sea water resistant

No plastic parts

Withstand wind gusts of up to 80 km/h

Withstand extreme temperatures

Easy replacement in the field

Robust bearings

Wind sensor set

The Adcon Wind Sensor Set Pro 10/2 is not only an extremely accurate set of sensors, it is also extremely robust, fully made of seawater resistant aluminum, with no plastic parts. Both sensors have a very low onset speed, but can withstand wind gusts of up to 80m/s even at extremely low temperatures.

Built to last

These sensors are fit even for marine applications. Robust bearings that don't wear out, cups and vane made of aluminum that both don't break even in severe storms when hit by twigs. In case of damage they are both easily field replaceable, securely held in place with self locking nuts.

Installation and data management

The sensors come with a mast mounting bracket, 80 cm wide, and a 2m cable with an Adcon Standard 7-pin connector to make them compatible to all Adcon RTUs of the A7x3 series.

Technical Specifications

	Feature	Value
WIND SPEED MEASUREMENT	Measuring Principle	magnetic
	Speed range	0 ... 75 m/s (0 ... 270km/h)
	Resolution	< 0,1m/s
	Accuracy	± 0,3m/s
WIND DIRECTION MEASUREMENT	Direction range	0 ... 360°
	Resolution	1°
	Accuracy	< ± 2,5°
	Onset speed	< 0,4m/s (speed & direction)
ELECTRICAL DATA	Output signals	2 x 0...2,5VDC (speed & direction)
DIMENSIONS & WEIGHT	Dimensions incl. bracket	900 x 200 x 360mm (L x W x H)
	Weight	4.000 gr.
MATERIAL	Materials used	Sensors: anodized aluminum Bracket: aluminum
ENVIRONMENTAL CONDITIONS	Protection class	IP-64
	Operating environment	-40°C ... +70°C (non-icing) 0 ... 100% rh
GENERAL	Cable & Connector	2m, shielded, 7pin Binder M9
	Mounting	on poles with 40 - 50mm in Ø