

Ultrasonic wind sensor CV7-V-ANA-AC3



Analog interface Characteristic

Power supply : 24 V DC/AC +/-20% 0.75W

Sensor output power supply: 12VDC isolated

Sensor data input: NMEA0183 / opto-coupled

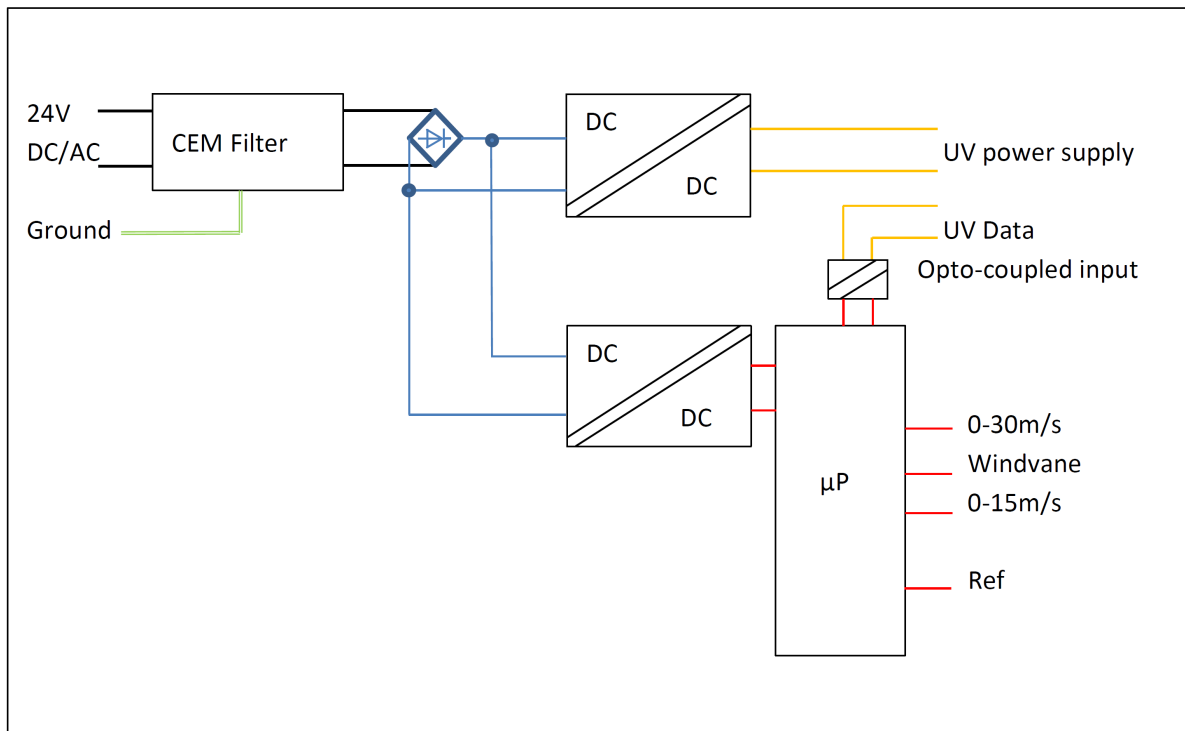
3 analog outputs

LED "Data in": Flashing = received data is OK

LED "Data out": Flashing = microprocessor work good

CE compliant

Block circuit diagram



Analog output 1:

Wind speed range = 0 - 30m/s

Voltage output = 0.36V to 10V

Voltage output < 0.36V = alarm sensor

Function transfert: $Wind\ Speed(m/s) = (V - 0.36) / 0.320$

Analog output 2:

Wind direction range = 0 – 358°

Voltage output = 0.48V to 10V

Voltage output < 0.48V = alarm sensor

Function transfert: $Wind\ direction(^{\circ}) = (V - 0.48) / 0.026$

Analog output 3:



Wind speed range = 0 - 15m/s

Voltage output = 0.36V to 10V

Voltage output < 0.36V = alarm sensor

Function transfert: $Wind\ Speed(m/s) = (V - 0.36) / 0.637$

Wiring:

CV7-Rouge	CV7-Bleu	CV7-Jaune	CV7-Vert	0V Ref	N.C.	0-15m/s	Girouette	0-30m/s
 <p>www.lcjcpteurs.com Tel: 02 40 05 08 55</p>				<p>Convertisseur Type: CV7-ANA-AC3 Girouette-anémomètre sonique N° Serie: Alimentation: 24V DC-AC +/-20% Made in France</p>				
	Data In	Data Out		Terre	24V	24V		