



Compact anemometer

With compact size and high mechanical strength, these sensors are particularly suited for use in strong wind applications, where long term reliability without maintenance is required, as in wind farms and wind turbine surveys. These sensors are compatible with any LSI LASTEM data loggers, but they can be also easily integrated with third party systems, thanks to a high quality relay-reed-generated linear pulse output.


Order numb.

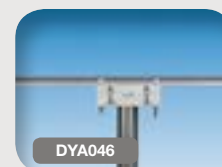
DNA202

Wind speed	<i>Principle</i>	Relay Reed
	<i>Measuring range</i>	0÷75 m/s
	<i>Uncertainty</i>	2,5% (calibration tested to 63 m/s)
	<i>Threshold</i>	0,5 m/s
General information	<i>Output</i>	2,65 Hz x m/s
	<i>Connector</i>	4 pin IP65 watertight connector
	<i>Housing</i>	Anodized aluminum
	<i>Operative temperature</i>	-35÷ +70°C (without ice)
	<i>Mounting</i>	Mast ø 48 ÷ 50 mm
	<i>Operative temperature</i>	-35÷ +70°C (without ice)
	<i>Data logger compatibility</i>	M-Log (ELO007-008) R-Log (ELR515) E-Log (all models)

Accessories

Order numb.

	MN1071	Cable each meter
	DYA046	Coupling bar for WS+WD sensors on ø 45 ÷65 mm pole
	DNA208	Spare part: rotor
	MC1040	Spare part: screw for fixing DNA208 rotor
	MM2001	Spare part: Bearings



DYA046



Standard anemometer (direct output)

Wind speed sensor with direct signal output (Hz/m/s). These anemometers are ideal for when requirements call for low thresholds and good accuracy even at very low wind speed. The wind speed element is a tachometer with 32 steps ensuring very high resolution. DNA302#C is equipped with heater. DNA304#C, with its extreme-low power consumption, can be used in applications with very low energy availability.

Order numb.	DNA301#C	DNA302#C	DNA304#C
Output	0-883 Hz		
Power supply	5÷12 Vdc	5÷12 Vdc (heater 24 Vac)	5÷12 Vdc
Measuring range	0÷75 m/s (using transfer function)		
Heater	-	YES (-20°C)	-
Power consumption	20 mA	20 W	2 mA
Calibration certificate	Included		
Data logger compatibility	M-Log (ELO007-008), R-Log (ELR515), E-Log (all models)		

Order numb.	DNA801	DNA802	DNA805	DNA806	DNA807
Output	4÷20 mA		0÷20 mA		0÷5 Vdc
Measuring range	0÷50 m/s (option 0÷60 m/s)				
Power supply	10÷30 Vac/dc	24 Vac/dc	10÷30 Vac/dc	24 Vac/dc	10÷30 Vac/dc
Heater	-	YES (-20°C)	-	YES (-20°C)	-
Heater operative temperature	-	>-20°C	-	>-20°C	-
Power consumption	0,5 W	20 W	0,5 W	20 W	0,5 W
Microprocessor	PIC 18F2620				

Common features

Wind speed	<i>Principle</i>	N.32 step optoelectronic disk
	<i>Threshold</i>	0,25 m/s
	<i>Uncertainty</i>	0÷3 m/s=1,5%, >3 m/s= 1%
	<i>Resolution</i>	0,06 m/s
	<i>Delay distance</i>	4,8 m (at 10 m/s). According to VDI3786 and ASTM 5096-96
General information	<i>Connector</i>	7 pin IP65 watertight connector
	<i>Housing</i>	Anodized aluminum
	<i>Operative temperature</i>	-35÷ +70°C (without ice)
	<i>Mounting</i>	Mast ø 48 ÷ 50 mm

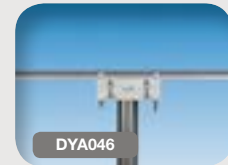


Accessories

Order numb.



DYA046	Coupling bar for WS+WD sensors on \varnothing 45 \pm 65 mm pole
DZC405	Calibration certificate. Included in DNA301-302-304#C
DNA110	Cable for DNA30x#C. L = 10 m
DNA125	Cable for DNA30x#C. L = 25 m
DNA126	Cable for DNA30x#C. L = 50 m
DWA510	Cable for DNA80x L = 10 m
DWA525	Cable for DNA80x L = 25 m
DWA526	Cable for DNA80x L = 50 m
DWA527	Cable for DNA80x L = 100 m
MM2251	Free connector without cable
DNA204	Spare part: rotor
MM2025	Spare part: bearing





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.