

Born for any purpose

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DWC wind sensors configurable to individual specifications

DWC technology for wind turbines proven since 1996
(Eur. pat. no. 0813066)

DWC wind system for arctic, offshore and desert climates

Tested by DTI Research Centre



Can be delivered with heating units

In operation world-wide




Anemometer and Wind vanes

	Item no	Description
	ANEMOMETER INA – 10A No. 900201 Is without sensor. 10 Hz m/sec. Standard 100Hz = 10m/sec European patented	Wind turbines For service companies or Service Technicians there will configured the output of the Anemometer. Requires: M8 Inductive sensor output PNP Item no. 900668. M8 Inductive sensor output NPN Item no. 900669 Please order cable, see page 5
	ANEMOMETER INA – 10A No. 900701 PNP No. 900702 NPN 10 Hz m/sec. Standard 100Hz = 10m/sec European patented	Wind turbines and weather stations The output can be freely customized with 1-3 standard NPN, PNP, optical or Namur inductive sensors Please order cable, see page 5
	ANEMOMETER INA – 06A No. 900710 PNP 6 Hz m/sec. Standard 60Hz = 10m/sec European patented	Bonus Wind turbines Please order cable, see page 5
	WIND VANE INV – 00A No. 900202 European patented	Wind turbines For service companies or Service Technicians there will configured the output of the Wind vane. Requires: M8 Inductive sensor output PNP Item no. 900668 M8 Inductive sensor output NPN Item no. 900669 Please order cable, see page 5
	WIND VANE INV – 00A No. 900703 PNP No. 900704 NPN European patented	WIND VANE can be adapted to many brands of wind turbines. Please contact DWC for more information. The output can be freely customized with 1-3 standard NPN, PNP, optical or namur inductive sensors Please order cable, see page 5 Requires 1 or 2 cables


Anemometer and Wind vanes

	Item no	Description
	WIND VANE INV – 05A No. 900706 PNP	WIND VANE for NEG Micon / Mita WP 2000/ WP3000 NM 600/43 NM 600/48 NM 44/750 NM 48/750 Please order cable, see page 5 Requires 2 cables
	WIND VANE INV – 13A No. 900705 PNP European patented	WIND VANE for NEG Micon / Dan Control NM 600/43 NM 600/48 NM 44/750 NM 48/750 Please order cable, see page 5 Requires 2 cables
	WIND VANE INV – 04A No. 900707 PNP	WIND VANE for NORDEX NORDEX N27/150kW NORDEX N29/250kW NORDEX N43/600kW Please order cable, see page 5 Requires 2 cables
	WIND VANE INV – 15A No. 900708 PNP	WIND VANE for Vestas Vestas V39 Vestas V42 Vestas V44 Vestas V47 Please order cable, see page 5 Requires 2 cables

Anemometer and Wind vanes

	Item no	Description
	WIND VANE INV – 17A No. 900709 PNP B15/65 (65 kW) B19/120 (120 kW) B20/95 (95 kW) B24/150 (150 kW) B30/100 (100 kW) B30/150 (150 kW) B30/150 (150 kW) B33/300 (300 kW)	WIND VANE for Bonus B35/450 (450 kW) B37/450 (450 kW) B41/600 (600 kW) B44/600 (600 kW) B52/1000 (1000 kW) B54/1000 (1000 kW) B62/1300 (1300 kW) Please order cable, see page 5 Requires 1 cables
	WIND VANE VXV No. 900203 Resolution ±. (12 bit 360°) Absolute 360° NON - Contact (Electronics) Power 16-35Vdc European patented Cable. 5 meter	WIND VANE for Wind turbines and Weather stations WIND VANE for STX Windpower NO DEAD BAND 0-360 ° Output Absolute 4-20mA. Estimated Lifetime: 360 x 10 ⁶ movements Stock temperature range -40 + 85 °C Temperature range -40 +85°C
	WIND VANE VXV No. 900720 Resolution ±. (12 bit 360°) Absolute 360° NON - Contact (Electronics) Power 16-35Vdc European patented Cable. 5 meter	WIND VANE for Wind turbines and Weather stations NO DEAD BAND 0-360 ° Output Absolute 0,1-10Vdc

Cable for DWC Anemometer and Wind vanes

	Item no	Description
	Cable shielded. 5 metres No. 900673 Cable shielded. 10 metre No. 900674 Cable shielded. 15 metre No. 900675	Cable for DWC Anemometer and Wind vanes

Ultrasonic wind sensor

Item no	Description
	<p>Static Wind Sensor WSS REC</p> <p>No. WSS REC</p> <p>Features</p> <ul style="list-style-type: none">• Measures wind speed and direction – up to 60m/s• Waterproof IP66 housing• Intelligent heating prevents icing• Working temperature down to -52 degrees Celcius• Well-proven and robust technology• Bird-proof - a needle cap prevents birds from landing on the sensor

Heating systems for DWC Wind Systems

Item no	Description
	<p>No. 900206</p> <p>DWC anemometer or wind vane Heating system for 2 wind instruments.</p> <p>The heating system can supply 50 W in the Anemometer and 50 W in the Wind Vane</p> <p>Standard cable length 5 metres Max 100W</p>
	<p>No. 900256</p> <p>DWC anemometer or wind vane Heating system for 2 wind instruments</p> <p>For extreme weather conditions The heating system can supply 100 W in the Anemometer and 100 W in the Wind Vane</p> <p>Standard cable length 5 metres Max 200W</p>
	<p>No. 900257</p> <p>DWC anemometer or wind vane</p> <p>The heating system can supply 50 W in one Anemometer and 50 W in two Wind Vanes</p> <p>Heating system for NEG Micon 750kW for 3 wind instruments</p> <p>Standard cable length 5 metres Max 200W</p>
	<p>No. 900208 24V. 50W. Standard cable length 5 metres</p> <p>DWC: Heating element 50 W. Heating element for DWC anemometer or wind vane</p>
	<p>No. 900209 24V. 10W. Standard cable length 5 metres</p> <p>DWC: Heating element 10 W. Heating element for DWC anemometer or wind vane For NEG Micon existing system.</p>
	<p>No. 900211</p> <p>DWC PTC sensor</p> <p>Standard cable length 5 metres</p>

Heating systems for DWC Wind Systems

Item no	Description
No. 900212	DWC Thermostat M36 Solid state Control of heat on the wind sensors. Adjustments from 5° C to 35° C Power supply: 24 Vdc Max 100W power output.
No. 900255	DWC Heating systems Power supply 240V / 24 Vdc. 5A
No. 900254	DWC Heating systems Power supply 240V / 24 Vdc. 10A

Examples of Ordering Anemometer and Wind vanes with Heating system

NEG Micon 750kW and WTC Dan Control: 1 Qty Anemometer and 2 Qty Wind vanes

Anemometer and Wind vanes.

- ✓ 1 Qty **Item no.** 900701 Anemometer INA-10A **Include Output PNP**
- ✓ 2 Qty **Item no.** .900705 Wind vane INV-13A **Include 2 X Output PNP**






Please order cable, see page 4

Heating system




- ✓ 1 Qty **Item no.** No. 900257 Heating system with 3 Qty 900212
- ✓ 3 Qty **Item no.** No. 900208 Heating element M10*1. 50 W - 24 V.
- ✓ 3 Qty **Item no.** No. 900211 PTC Sensor for thermostat M36

For a system for your Wind turbine please contact DWC

Spare Parts and Accessories for DWC Wind systems

Item no	Description
	No. 900209 Length 65 mm DWC Console for easy mounting of Anemometer and Wind vanes
	No. 900204 Length 90 mm DWC Console for easy mounting of Anemometer and Wind vanes
	No. 900241 DWC Anemometer Cup
	No. 900242 DWC Wind vane
	<div> <div> M8 Inductive sensor output PNP Item no. 900668 </div> <div> M8 Inductive sensor output NPN Item no. 900669 </div> </div> <div> Electrical Data Current type - DC Wiring - 3-Wire Switching function - normally-open Output signal - NPN or PNP Rated operational Voltage V24 DC Supply voltage V 10...30 DC </div>

Displays

	Item no	Description
	No. 06201H	<p>Wind Tracker Model 06201</p> <p>Dimensions: 144 mm (5.65 in) x 144 mm (5.65 in) x 36 mm (1.4 in) Weight: 0.4 kg (1 lb) Shipping Weight: 1.4 kg (3 lb)</p>
	No. 06206H	<p>Marine Wind Tracker Model 06206</p> <p>Dimensions: 144 mm (5.65 in) x 144 mm (5.65 in) x 36 mm (1.4 in) Weight: 1 lb (0.45 kg) Shipping Weight: 3 lb (1.4 kg)</p>
	No. 06260	<p>DWC</p> <p>Weather Resistant Protective Enclosure For Trackers Model 06260</p> <p>The Model 06260 Weather Resistant Protective Enclosure offers extra protection for wet or dusty locations. Fits all Wind and Temp Tracker models</p>

Interface and converters


Item no	Description
No. 900512	DWC: For custom output of Anemometer INA-10A FF/FI Converter








***dataTaker* Data Loggers**

DWC offer ***dataTaker* data loggers** for the Scandinavian marked.




For other countries please contact your distributor. Please see www.datataker.com

Item no	Description
	No. DT82E Features <ul style="list-style-type: none"> • USB memory for easy data & program transfer • Dual Channel Isolation Technology • Serial 'Smart Sensor' port • User Definable allocation of memory size & mode
	<ul style="list-style-type: none"> • Web Interface • FTP for automatic data transfer • 1 SDI-12 input • Up to 6 Analog ($\pm 30V$) sensor inputs • 8 Flexible Digital channels
	No. DT82I Features <ul style="list-style-type: none"> • USB memory for easy data & program transfer • Dual Channel Isolation Technology • 2 Serial 'Smart Sensor' port • Modbus for SCADA connection
	<ul style="list-style-type: none"> • User Definable allocation of memory size & mode • Web Interface • FTP for automatic data transfer • Up to 6 Analog ($\pm 30V$) sensor inputs
	No. DT80 Features <ul style="list-style-type: none"> • USB memory for easy data & program transfer • Dual Channel Isolation Technology • 2 Serial 'Smart Sensor' ports • User Definable allocation of memory size & mode
	<ul style="list-style-type: none"> • Web Interface • FTP for automatic data transfer • Modbus for SCADA connection • SDI-12 (multiple networks) • Up to 15 Analog ($\pm 30V$) sensor inputs • Expandable to 300 analog inputs • 12 Flexible Digital channels
	No. DT85 Features <ul style="list-style-type: none"> • USB memory for easy data & program transfer • Dual Channel Isolation Technology • 2 Serial 'Smart Sensor' ports • User Definable allocation of memory size & mode
	<ul style="list-style-type: none"> • Web Interface • FTP for automatic data transfer • Modbus for SCADA connection • SDI-12 (multiple networks) • Up to 48 Analog ($\pm 30V$) sensor inputs • Expandable to 800 analog inputs

dataTaker Data Loggers

Item no	Description
    	<p>No. DT80G</p> <p>Features DT80G Geotechnical data logger with built in vibrating wire support</p> <p>Applications include: Landslide prevention Mining exploration Tunnel excavation Dam wall monitoring Concrete Curing</p>
	<p>No. DT85G</p> <p>Features DT85G Geotechnical data logger with built in vibrating wire support</p> <p>Applications include: Landslide prevention Mining exploration Tunnel excavation Dam wall monitoring Concrete Curing</p>
	<p>No. DT82EM with Built-in 2G/3G Modem</p> <p>Features</p> <ul style="list-style-type: none"> • USB memory for easy data & program transfer • Dual Channel Isolation Technology • Serial 'Smart Sensor' port • User Definable allocation of memory size & mode <p>Applications include:</p> <ul style="list-style-type: none"> • Web Interface • FTP for automatic data transfer • 1 SDI-12 input • Up to 6 Analog ($\pm 30V$) sensor inputs • 8 Flexible Digital channels
	<p>No. DT80M with Built-in 2G/3G Modem</p> <p>Features</p> <ul style="list-style-type: none"> • USB memory for easy data & program transfer • Dual Channel Isolation Technology • 2 Serial 'Smart Sensor' ports • User Definable allocation of memory size & mode <p>Applications include:</p> <ul style="list-style-type: none"> • Web Interface • FTP for automatic data transfer • Modbus for SCADA connection • SDI-12 (multiple networks) • Up to 15 Analog ($\pm 30V$) sensor inputs • Expandable to 300 analog inputs • 12 Flexible Digital channels
	<p>No. DT85M with Built-in 2G/3G Modem</p>

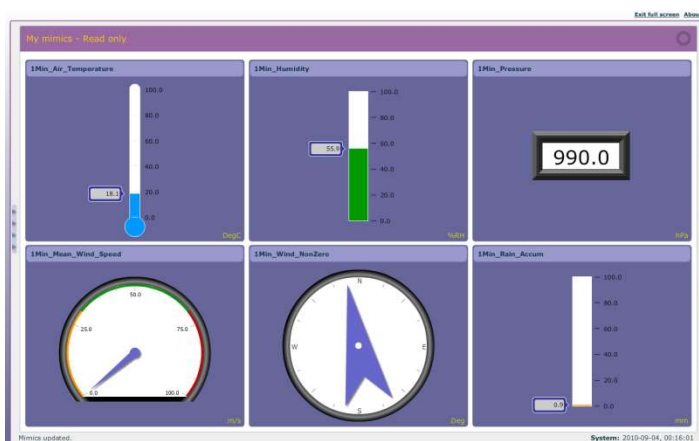
dataTaker Data Loggers

Item no	Description
	<p>No. DT85GM with Built-in 2G/3G Modem <i>Geotechnical data logger</i></p> <p>Features</p> <p>dataTaker DT85GM Series 3 GeoLogger 16-48 Analog, 12 Digital Channels, no internal battery</p>
	<p>No. CEM20 Channel Expansion Module</p> <p>The Module is suitable for the DT80 range dataTaker data loggers. A dataTaker CEM20 connects to one analogue channel of the dataTaker data logger. This effectively expands the total channel capacity of the DT80 to 300 analog inputs.</p>
	<p>No. CANgate™ CAN bus, GPS and Data Acquisition</p> <p>Features</p> <ul style="list-style-type: none"> • 2 high speed CAN bus ports • Serial port for GPS • Serial port for data logger or PC • J1939, OBD, ISO and Raw CAN <p>The dataTaker CANgate is a CAN to ASCII gateway converting CAN (Controlled Area Network) and GPS data to serial data. It has been designed to capture the real-time data available on CAN and GPS networks (e.g. temperatures, RPM, brake/throttle settings, latitude, longitude, speed etc.) and pass that information on to either a dataTaker data logger or host computer system.</p>

***dataTaker* Product Selector and *dEX* software**

Products Specifications	DT82E	DT80	DT80G	DT85	DT85G
Analog Inputs	Up to 6	Up to 15	Up to 15	Up to 48	Up to 48
Analog Input Expandable	–	Yes	Yes	Yes	Yes
Vibrating Wire Sensor Support	–	–	Yes	–	Yes
Analog Input Range (volts)	±30	±30	±30	±30	±30
Max Samples Per Second (analog)	25	25	25	25	25
Digital & Counter Inputs	8	12	12	12	12
Serial Sensor Channel	–	2	2	2	2
Built-in Data Points Storage	10 million	10 million	10 million	10 million	10 million
Built-in Display	Yes	Yes	Yes	Yes	Yes

We also offer other products from *dataTaker*..Please visit >> <http://www.datataker.com>



Each of the product FAQs listed below has frequently asked questions and answers related to the *dataTaker* products mentioned. http://www.datataker.com/wiki/index.php?title=DataTaker_FAQs

[DT80 Range FAQ](#) - for the DT80, DT82E, DT80G, DT81, DT85 and DT85G data loggers

[dEX FAQ](#) - For the DT80, DT82E, DT80G, DT85 and DT85G web based interface

[CEM20 FAQ](#) - for the CEM20 channel expansion module

Introducing *dEX*

dEX is the new web based interface for configuring your *dataTaker* data logger. *dEX* is an intuitive graphical interface that allows you to configure your data logger, view real-time data in mimics, trend charts and retrieve your historical data for analysis.

dEX runs directly from your web browser and can be accessed either locally or remotely, anywhere that a TCP/IP connection is available including worldwide over the internet. You can use any of the logger's built-in communications ports to view *dEX* including Ethernet, USB and RS-232.

Features

- **Built-in software - no application to install**
- **Runs directly from your web browser**
- **Accessible by Ethernet or USB connection**
- **Intuitive graphical interface**
- **Easy to use configuration editor**
- **Access live and historical data**
- **View data charts, mimics and tables**



Terms & Conditions

DWC = DWC International Sales ApS

DWC Wind sensors

DWC uses the general conditions of Orgalime S 2000.

The general conditions defined in Orgalime S 2000 apply to the supply of mechanical, electrical and electronic equipment. For further information on Orgalime www.orgalime.org

Terms & Conditions

Terms & Conditions for products from dataTaker and Värmebaronen... > > [NLM 94E](#)

Returns policy

If you are unhappy with your purchase for any reason, you may return an item back to us according to the conditions below. A credit note will be issued to your account at DWC and the outstanding amount will automatically be set off against future purchases. The following criterion must be met:

- ✓ Items may only be returned after agreement with our customer service, mail dwc@dwc-el.dk.
- ✓ Items returned without prior agreement will be refused and returned to you at your own expense and risk.
- ✓ The item must be returned in its original, undamaged packaging and be accompanied by the manual, if one has been delivered with the item.
- ✓ The item must be unused and in saleable condition (as new).