

Data logger DLX Met

The instrument is to be operated easily via three keys or via the serial interface COM 1 and USB. A three-line alphanumeric display (LCD) serves as indicator. The instrument is supplied by an integrated 12V-battery, and the operation is completely mains independent thanks to the special low power design with respective solar panel and integrated solar controller. An integrated transformer offers the operation at 115 V / 230 V power supply.

Three serial interfaces COM 1- COM 3 and in addition one USB offer – beside the communication – also the connection of sensors with respective operation modes (RS232 or RS285).

Specification

Part number: 9.1756.x0.xxx

Analogue data sampling

A/D - converter	24 bit
Accuracy	±0.1 % of meas. range

Precipitation

Electrical input	1 x impulses (0 ... 5 V) 1 x status (0 ... 5 V)
Resolution	0.1 mm

Radiation

Electrical input	1 x 0 ... 40 mV
Accuracy	±2.7 W/m² @ 15mW/m² sensitivity

Temperature

Electrical input	2 x PT100
Measuring range	-40 ... +70 °C
Accuracy	±0,1 mK

Rel. Humidity

Electrical input	1 x 0 ... 1 V
Measuring range	0 ... 100 % rel. h.
Accuracy	± 0.001% rel. h.

Air pressure

Electrical input	0 ... 5 V
Measuring range	configurable 500 ... 1200 hPa
Accuracy	±0.005 hPa

Miscellaneous

Electrical input	0 ... 20 mA
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Measuring range	0 ... 100 %
Serial interfaces	
Quantity	3
Configuration	COM1: USB or RS232 or RS485 (Full duplex) COM2: RS232 or RS485 (Full duplex) COM3: RS485 (Half duplex)
Supported devices	COM2 / COM3 supports: LPM, US2D, US2D Compact, Clima Sensor US, Sensor interface
Function	COM1: data access COM2: sensor connection or output of instantaneous data COM3: sensor connection or output of instantaneous data
Data input analog	
Meas. range	skaled to 0 ... 100 %
Input type	0 ... 20 mA
Data input digital	
Typ	1 x wind speed 1 x wind direction (synchron serial) 1 x precipitation counter (0.1 or 0.2 mm) 1 x precipitation status
Data management	
Measurement cycle	1 ... 3600 s
Memory cycle	1 ... 60 min
Memory capacity	2 MByte
Number data records	61570 (10 channels)
Output of archive values	serial via COM1 (ASCII - formatted) Export to SD - card (ASCII - formatted)
Channel extension	
Sensor interface SIF001	6 x Radiation (0 ... 20 mV) 2 x Temperature (PT100)
Sensor interface SIF002	1 x 0 ... 10 V 2 x 0 ... 1 V 3 x Radiation (0 ... 20 mV) 3 x Temperature (PT100)
Sensor interface SIF003	2 x 0 ... 10 V 2 x Radiation (0 ... 40 mV) 2 x 0 ... 20 mA 3 x Temperature (PT100)
Sensor interface SIF004	2 x 0 ... 10 V 2 x Radiation (0 ... 40 mV) 1 x 4 ... 20 mA 1 x 0 ... 20 mA 3 x Temperature (PT100)

Operating voltage

Electronic	230 V AC
Current consumption	max. 1 mA (measmode, display off) max. 12 mA (measmode, display on)
Battery connection	internal battery 12 V, 6,5Ah
Internal battery charger	15 ... 18 V / max. 20 W

General

Ambient temp.	-30 ... +60 °C
Electr. connection	clamp
Display	LCD-Display 3 x 16 digits
Housing	stainless steel
Protection	IP 65
Dimension	380 x 300 x 155 mm
Weight	6.5 kg

Versions

As per 9.1756.x0.xxx, but:

Product number 9.1756.00.000

General

Mounting	with guy rope to mast tube
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Product number 9.1756.10.000

General

Mounting	with additional mast holders
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Product number 9.1756.10.001

General

Power supply	internal 24V / 260 VA transformer
Mounting	with additional mast holders

Product number 9.1756.10.100

Miscellaneous

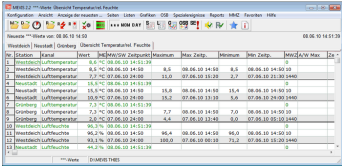
Electrical input	max. 8 additional analog inputs
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General

Mounting with additional mast holders

Accessories

Product	Product name	Brief description
	Meteo-Online 9.1700.98.x01	Meteo-Online is a software for detecting, filing, and displaying data of meteorological measuring instruments. The display of the data is carried out graphically as diagram and/or as text. The user has the possibility to place the display-elements free on the screen, and to save them. Data display Monitor - display - Values - Diagrams - Tables - Windrose - Time - Date Compatibility Connectable instruments - US-Anemometer - Datalogger - Clima Sensor - Weather station WSC11 - Wind display - etc. System requirements PC mit - Prozessor > 1 GHz - RAM > 1 GB Operating system - Windows 2003 SP2 - Windows Server 2008 - Windows 7 - Windows Server 2008 R2 - Windows 7 SP1 - Windows Server 2008 R2 SP1 - Windows 8 - Windows 10



Mevis Light
9.1796.40.xxx

PC- program for automatically data request of THIES- data logger with archiving,
vdata visualisation and evaluation

Compatibility

Connectable instruments

all THIES data logger

System requirements

- PC mit
- Prozessor > 1 GHz
 - RAM > 1 GB
- Operating system
- Windows 2003 SP2
 - Windows Server 2008
 - Windows 7
 - Windows Server 2008 R2
 - Windows 7 SP1
 - Windows Server 2008 R2 SP1
 - Windows 8
 - Windows 10

Software

max. stations

5

max. components per station

30

ASCII - import

not available

MEVIS data path

fix, not changeble

automatical data export

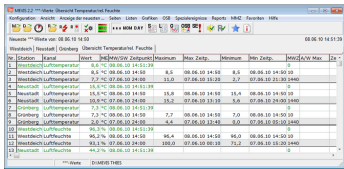
only manually via dialog

Extentions

no

Lizence protection

intalledUser



Mevis Full
Version
9.1796.50.xxx

PC- program for automatically data request of THIES- data logger with archiving,
vdata visualisation and evaluation

Compatibility

Connectable instruments

all THIES data logger

System requirements

- PC mit
- Prozessor > 1 GHz
 - RAM > 1 GB
- Operating system
- Windows 2003 SP2
 - Windows Server 2008
 - Windows 7
 - Windows Server 2008 R2
 - Windows 7 SP1
 - Windows Server 2008 R2 SP1
 - Windows 8
 - Windows 10

Software

max. stations 99

max. components per station 99

ASCII - import available

MEVIS data path configurable

automatical data export available

Extentions MEVIS viewer

Lizence protection hardware dongle

