

**Mobile weather station****Meteorological sensor FMD7-60 with ALMEMO® data logger**

Universal mobile weather station for measuring a wide range of meteorological data, e.g. wind direction, wind velocity, temperature, atmospheric humidity, atmospheric pressure, rainfall quantity and intensity, and global radiation. Quick and easy to install, robust design, compatible with various ALMEMO® V7 data loggers.

**Applications**

- Building automation (heating, ventilation, shading)
- Photovoltaic monitoring
- Industrial emissions tracing
- Disaster control (tracing clouds of poisonous gas, etc.)
- Sporting events
- Agricultural trials
- Road weather information systems (RWIS)
- Icy roads warning systems
- Vehicle test circuits

**The mobile weather station comprises :**

- Meteorological sensor FMD7-60 including mobile tripod
- Probe head for measuring optical radiation
- ALMEMO® data logger choice of ALMEMO® 202 / 710 / 809

**Digital meteorological sensor**

Sensor with built-in plug, including sensor connection cable length = 10 meters fitted in junction box, mains adapter unit (24 V) ZB 1024 NA2 fitted in junction box, ALMEMO® connection cable fitted in junction box, length = 2 meters, with ALMEMO® D7 plug **FMD760**

**Mobile tripod**, extendable up to approx. 4.4 meters

including set of anchoring fixtures, comprising three karabiners, three guy lines (4 meters long), three ground pegs **ZB9760ST**

**Carry-bag**, space for one tripod including accessories and two probe head holders **ZB9510TT**

**Further variants on request:**

Digital transducer FMD7 20  
for wind velocity, wind direction **FMD720**

**Probe head for measuring global radiation, illuminance, photosynthesis, and UVA or UVB radiation, including probe head holder**

Probe head with cable, 1.5 meters long

**Measuring of global radiation** up to 1200 W/m<sup>2</sup>, **FLA613GS**

**Measuring of illuminance** up to 170 kLux, **FLA613VLM**

**Measuring of photosynthetically active radiation** up to 3000 μmol/m<sup>2</sup>s, **FLA613PSM**

**Measuring of UVA radiation** up to 3 mW/cm<sup>2</sup>, **FLA613UVA**

**Measuring of UVB radiation** up to 50 μW/cm<sup>2</sup>, **FLA613UVB**

Option of probe head with longer cable Total length = 5 meters **OA9613K05**

**Probe head holder** to tripod Length = approx. 0.5 meters, for one radiation probe head FLA613-GS / -VLM / -PSM / -UVA / -UVB **ZB9510MH**

**Advisory note**

To connect these radiation probe heads to data logger ALMEMO® 202 a digital ALMEMO® D7 measuring connector is required.

This variant is offered on request.



## Weather-proof housing for ALMEMO® 202 / 710 / 809 devices with meteorological sensor FMD7 60

### Technical data and functions

The sensor connection cable, mains unit ZB 1024 NA2 (for heating, ventilation, and sensor supply), the junction box, and the sensor's ALMEMO® connection cable are all permanently fitted in the weather-proof housing. (Sensor FMD7-60 should be ordered separately.)

The ALMEMO® measuring instrument is integrated in the DIN rail mounting. The mains unit for the device supply (mains plug assembly, NA9 design) is plugged into the integrated socket. (The measuring instrument should be ordered separately.)

The device receives its continuous 110 / 230 V supply via the mains connection cable. Length = 2 meters (Connection is on the rear of the housing.)

When using devices ALMEMO® 202 / 710, any short-term failures to the supply voltage are bridged; in the case of ALMEMO® 202, this is by means of batteries and in the case of ALMEMO® 710, by means of the integrated rechargeable battery. The ALMEMO® device cannot be operated in sleep mode.

### Further variants on request:

For information on protective housing ZB9015AGU for various ALMEMO® measuring instruments performing general applications without meteorological sensor FMD7-60.



## Weather-proof housing AG2 for ALMEMO® 202 with meteorological sensor

### Weather-proof housing for ALMEMO® 202,

lockable transparent door, mast fixture  
integrated rail for fastening ALMEMO® 202 device  
including mains unit ZA 1312 NA9 for supplying the device  
permanently fitted sensor connection cable for sensor FMD7-60  
integrated mains unit for supplying sensor heating and sensor ventilation  
Option of weather-proof housing for sensor FMD7 60

**OM9760AG2**

## Data logger ALMEMO® 202 with accessories

### ALMEMO® 202 professional measuring instrument

2 measuring inputs, graphics display, keypad controls, batteries

**MA202**

DIN rail holder for the measuring instrument

**ZB2490HS**

Memory connector with micro SD

**ZA1904SD**

USB data cable

**ZA1919DKU**



### Weather-proof housing AG7 for ALMEMO® 710 with meteorological sensor

**Weather-proof housing for ALMEMO® 710,**  
lockable transparent door, mast fixture  
integrated rail for fastening ALMEMO® 710WG device  
including mains unit ZA 1312 NA9 for supplying the device  
permanently fitted sensor connection cable for sensor FMD7-60  
integrated mains unit for supplying sensor heating and sensor ventilation  
Option of weather-proof housing for sensor FMD7 60 **OM9760AG7**

### Data logger ALMEMO® 710 with accessories

**ALMEMO® 710WG precision measuring instrument in wall-mounted housing,**  
10 measuring inputs, display and operation via touch screen  
internal measured value memory, integrated rechargeable battery  
including mains unit NA10 (100 to 240 VAC / 12 VDC)  
and USB data cable

**MA710WG**

Option of external memory  
**Memory connector with micro SD**

**ZA1904SD**



### Weather-proof housing AG8 for ALMEMO® 809 with meteorological sensor

**Weather-proof housing for ALMEMO® 809,**  
lockable transparent door, mast fixture  
integrated rail for fastening ALMEMO® 809 device  
including mains unit ZB 1212 NA9 for supplying the device  
permanently fitted sensor connection cable for sensor FMD7-60  
integrated mains unit for supplying sensor heating and sensor ventilation  
Option of weather-proof housing for sensor FMD7 60 **OM9760AG8**

### Data logger ALMEMO® 809 with accessories

**ALMEMO® 809 precision measuring instrument**  
9 measuring inputs  
operation via ALMEMO® Control software  
internal measured value memory  
including mains unit NA10 (100 to 240 VAC / 12 VDC)  
**DIN rail holder for the measuring instrument**  
**USB data cable**

**MA809**  
**OA2290HS**  
**ZA1919DKU**

Option of external memory  
**Memory connector with micro SD**

**ZA1904SD**