

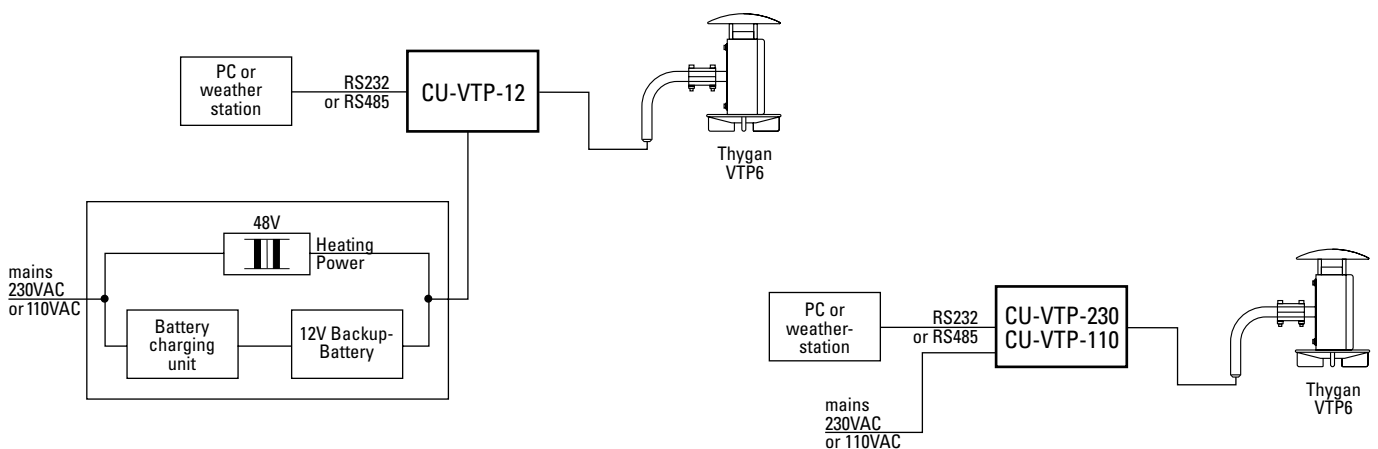
Control Unit CU-VTP for VTP6



The THYGAN requires a control logic with a microprocessor. Usually this control logic is situated within the control unit or at the interface which is mounted in a weather station (KLIMET, an ESTA or an ASTA for example).

When using the new CU-VTP6 control unit, the THYGAN can be connected directly to a data logger or a PC. The power supply (12 V DC and 48 V AC from 230 V AC), the

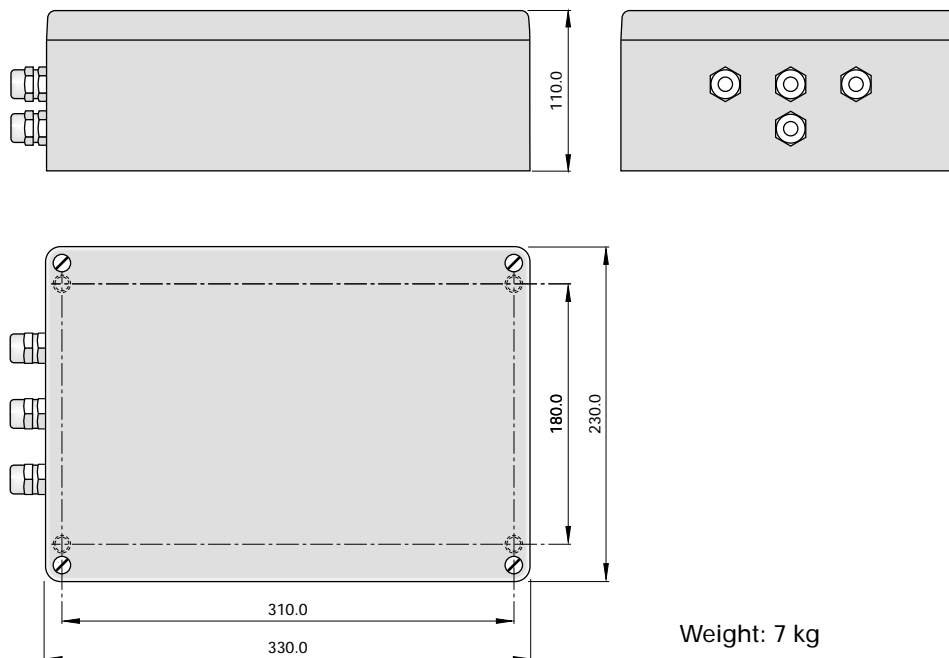
microcontroller data evaluation, and lightning protection are all housed in a watertight container. The equipment can be mounted either on the same mast as the THYGAN or immediately in front of the data logger or PC. The control unit is completely self-contained i.e. the measurements can be stored for up to 24 days or can be accessed at any time via the interface (RS232 or RS485). If the RS485 interface is used, the instrument can be identified with an address, thus allowing several instruments to be connected to the same interface.



Technical data

Data memory	
Ring buffer	approx. 3500 data records (corresponding to 10 minute measurements for 24 days)
Modes of operation	4 different operating modes for convenient data access
Control commands	
Set the internal clock	
Check the sensor status	
Switch from normal to continuous operation	
Check for special messages	
Change the address of the instrument	
Interfaces	
Baud rate	2400 bps (constant)
Standard	RS232 electrically isolated without hardware handshake or RS485 electrically isolated (please specify when ordering)
EMC	
ESD	EN61000-4-2, 8kV contact discharge, 15kV discharge through the air
Burst	EN61000-4-4, 2kV, 5/50ns, 5kHz
Surge	EN61000-4-5, installation class 4
Power supply	
Mains supply	230 VAC / 200 VA or 110 VAC / 200 VA
Mains supply DC version	12 VDC, 250 mA maximum. 70 mA medium value, 48 VAC, 3A for heater

Dimensions



Weight: 7 kg

Ordering information

Control unit CU-VTP-230-RS232
 Control unit CU-VTP-230-RS485
 Control unit CU-VTP-110-RS232
 Control unit CU-VTP-110-RS485
 Control unit CU-VTP-12-RS232
 Control unit CU-VTP-12-RS485

meteolabor reserves the right to make changes without further notice

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