

PLICSMOBILE T61

External radio unit for plics[®] sensors



Application area

The PLICSMOBILE T61 is an external GSM/GPRS radio unit for transmission of measured values and for remote parameter adjustment of plics[®] sensors.

Typical applications are measured value transmission with mobile vessels, battery-operated level measurement and deep well measurements. The PLICSMOBILE T61 is particularly suitable for data exchange with the web-based visualisation software WEB-VV.

Advantages

- Universal, world-wide use of PLICSMOBILE T61 through quadband technology
- Free choice of mobile network provider gives user great flexibility
- Economical solution, because the integrated power management allows optimization of battery life

Function

The PLICSMOBILE T61 is an external GSM/GPRS radio unit for transmission of measured values and for remote parameter adjustment of plics[®] sensors.

In conjunction with all two-wire electronics there is the option of transmitting measured values and diagnostic information.

There is also the option of accessing the connected VEGA instrument via remote parameter adjustment. World-wide use is ensured through quadband technology.

By using the optional battery operating mode, measuring points can be set up without high installation costs.

The adjustment is carried out via PACTware/DTM by using the integrated USB connection.

Technical data

Voltage supply

Operating voltage	8 ... 32 V DC
Power consumption	
– Power saving mode (9 V/12 V)	0.18 mW/0.3 mW
– Power saving mode (24 V/32 V)	1.8 mW/3.7 mW
– Permanent operation	1.1 W
– Peak power (measured value transmission)	5.1 W
Power requirement	
– Measurement cycle incl. transmission	45 mWh

Battery pack (optional)

Battery type	6 x Mignon AA (Alkali-Mangan)
Operating voltage	9 V DC

Accumulator pack with charging electronics (optional)

Accumulator type	6 x Mignon AA (Ni-MH)
Operating voltage	7.2 V DC

Sensor power supply

Number of sensors	1 x plics [®] sensor 4 ... 20 mA/HART (two-wire), PA, FF
Terminal voltage	20.0 ... 19.3 V with 4 ... 20 mA
Current limitation	Short-circuit proof

Radio transmission

Radio frequency	Quadband GSM (850/900/1800/1900 MHz)
-----------------	--------------------------------------

Ambient conditions

Ambient temperature	
– Instrument in general	-25 ... +60 °C (-13 ... +140 °F)
– USB interface	0 ... +60 °C (32 ... +140 °F)

Electrical protective measures

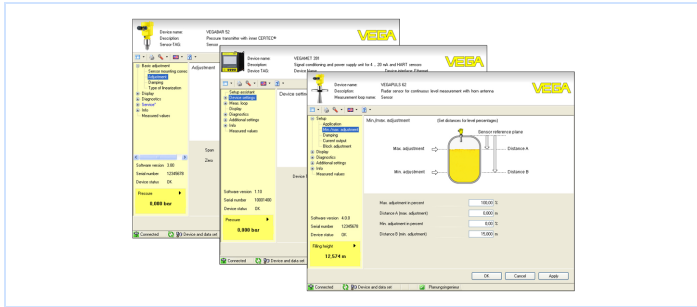
Protection rating	IP 66/IP 67
-------------------	-------------

Approvals

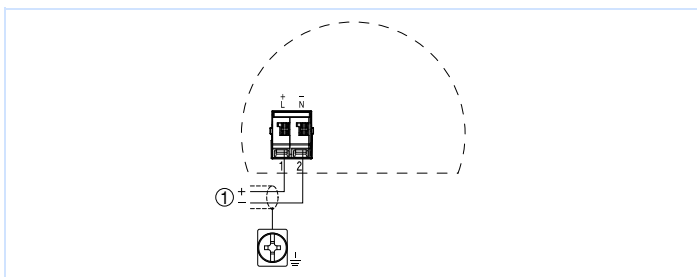
You can find detailed information on the existing approvals in the "configurator" on our homepage under www.vega.com/configurator.

Operation

The adjustment of the instrument is carried out via a PC with adjustment software PACTware and respective DTM.



Electrical connection

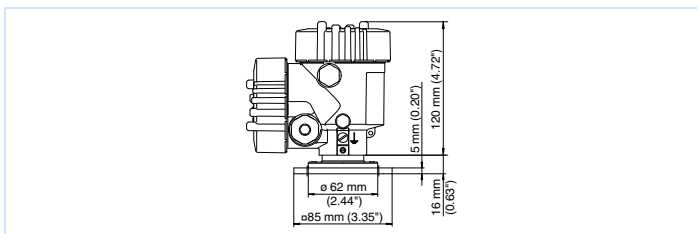


Connection of the voltage supply in electronics housing

1 Voltage supply

You can find details on the electrical connection in the instrument operating instructions on our homepage at www.vega.com/downloads.

Dimensions



Information

You can find further information about the VEGA product line on our homepage www.vega.com. In the download section under www.vega.com/downloads you'll find free operating instructions, product information, brochures, approval documents, instrument drawings and much, much more.

Contact

You can find the VEGA agency serving your area on our homepage www.vega.com.