



TCP/IP protocol description

OxyScan 300

The OxyScan 300 PC software has a built-in TCP/IP server.

The configuration of the IP address and port is described in the OxyScan 300 operating manual.

To transfer the current measured values perform the following steps:

1. TCP open (IP address and port as set in the OxyScan 300 PC software)
2. TCP write: „get“ (as string without quotation marks) + \n (newline)
3. TCP read: A string will be received as described below
4. TCP close

For testing, you can build up a Telnet connection with the free terminal software „putty“.

After connecting, write "get" and confirm with enter.

The received string is defined as follows (C printf syntax):

```
%07.2f %%Sat\t%07.3f mg/l\t%07.2f mmHg\t%06.2f pH\t%07.1f  
mV\t%05.2f °C\t %07.2f mBar\n
```

Example:

0026.64 %Sat 2.378 mg/l 40.823 mmHg 007.31 pH
00021.7 mV 20.51 °C 0996.19 mBar

The individual measurement parameters are separated by a tabulator.

The measured values are updated every 5 seconds. So it makes no sense to retrieve them more often.

Liability and warranty

We reserve the right to make technical changes!

We assume no liability for damage caused by improper use and / or malfunction of the device.

We provide a 12-month legal guarantee on the entire measuring system.

In the guarantee case, please return the sensor or measuring instrument with the test certificate.

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