

Comparison BMT 965 – BMT 964

The BMT 965 series of Ozone Analysers is the successor of the successful BMT 964 series. During development, achieving the highest quality and reliability were the main goals.

All Variants:

The BMT 965 uses a modern 32-bit processor. All features of the BMT 964 are available in the BMT 965. Datasheet parameters describing ozone measurement (accuracy, zero drift etc.) are the same as in the BMT 964.

Copy exact issues:

- Same size
- Same power consumption, all power configurations (AC / DC) available as in BMT 964
- Same gas/water port fittings
- Signals behave the same way as in the BMT 964.

Additionally, the BMT 965 includes an industrial grade 8 GB Micro SD Card, allowing lifelong logging of diagnostic data. This internal memory card can also be used to store time stamped concentration data in configurable intervals. It can be accessed through the new USB port, which supports USB On-the-Go. When a BMT 965 is connected to a computer via USB, it operates in USB device mode and will show up as an external drive. Diagnostic and concentration data can be downloaded. Concentration data can be downloaded in binary form for use with the supplied BMT965Link diagnostic software and as a CSV file, which can be directly opened in Excel. BMT965Link can connect simultaneously via USB.

No additional driver has to be installed on the computer. BMT965Link is also stored on the BMT 965 SD Card and can be run directly from the instrument, allowing to retrieve diagnostics to any computer without previous installation. The operating manual is available on the instrument as PDF. A portable version of the Teamviewer software is also stored, allowing worldwide remote diagnostics and configuration if the connected computer has access to the Internet.

If a USB flash drive is connected to the BMT 965, the instrument will operate in USB host mode. Diagnostic and concentration logs can be copied to the flash drive. The BMT 965 can be upgraded in the field to a new firmware revision by plugging in a flash drive containing the firmware.

The software BMT965Link, a USB cable, and a USB host adapter come with each instrument.

BMT 965 AQ and AQ variants:

Water and electrical connections are the same as in BMT 964 AQ. Legacy RS-232 communication remains supported as an option. Modbus/TCP is optional. Additionally, the memory and USB features described above are provided.

BMT 965 C and BMT 965 Off-Gas:

The user's power and signal cables enter the instrument via cable glands and are connected to the instrument screw terminals. Soldering the signal connector and assembling the mains connector is not necessary any more. Adapters for replacement of old BMT 964 by BMT 965 can be provided. Additionally, the memory and USB features described above are provided.

The instruments are NRTL certified (cTUVus). The BMT 965 C is also certified to USCG 46 CFR 162.060-30: "Testing requirements for ballast water management system (BWMS) components" for operation on ships.

Displays have membrane keys.

The instruments feature an enhanced two stage particle filter.

Optional communication protocols for the cabinet versions are Modbus-RTU, Modbus/TCP and legacy RS-232.

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