

- Measurement Channels **3 (conductivity: 2)**
- Temperature Channels **3**
- pH **-2.000...+16.000 pH**
- mV **±2000.0 mV**
- Conductivity **0...2000 mS/cm**
- Resistivity **0...200 MΩ.cm**
- Salinity **0.0...70.0**
- TDS **0...100.0 g/l**
- Temperature **-5.0...+105.0°C**
- μW **0...400000 μW**
- rH<sub>2</sub> **0.00...42.00 rH<sub>2</sub>**
- Warranty **36 months**
- Made in Belgium



**C3050/C3051 is an instrument capable of measuring all parameters according to Vincent's method. All parameters can be measured at once and shown on the wide display. C3051 version has an Ethernet connection instead of USB.**

**This instrument is built with the same quality as the instruments in the whole C3000 series. As such, it has the same features as the other versions. All 3 gold plated BNC connectors each accept different electrodes of which 2 connectors also accept conductivity electrodes. There is no interference between the channels when measuring pH/ORP/Ion and conductivity electrodes in the same solution.**

**Besides the pre-programmed pH buffers and EC standards, you can also add your own buffer and standard tables. Not just a certain value at a certain temperature but the complete temperature related table of your specific buffer. Add up to 5 pH buffers and 3 EC standards of your own choice and use them as if they are built-in.**

**Two temperature inputs are independent from measurement channels. ATC for each channel can be selected from any of the temperature inputs. The device can be connected to a PC and completely controlled via either USB/RS232 or Ethernet/RS232. Both software and communication protocol can be downloaded from our website.**

**Multichannel** up to 3 measurements can be performed at the same time and simultaneously or individually shown on the display. All parameters according to Vincent's method can be shown on the display. Each channel can measure 2 times per second.

**No interference** between pH/ORP and conductivity electrodes in the same solution

**Custom calibration tables** allow the user to add complete buffer/standard-temperature relation tables. With this feature the built-in tables can be extended with your own tables. Tables can be entered via a device menu or uploaded from a PC.

**Direct rH<sub>2</sub> and μW measurement** when using a pH, ORP and EC electrode. All 5 parameters can be displayed simultaneously.

**Wide Display** shows all channels at the same time including temperature and date/time.

**Stability indicator** ensures visualisation when the measurement has stabilised.

**Stability algorithm** ensures stable readings with ability to detect fast changes.

**Hold function** allows to freeze the display

**Selectable resolution** for more stable readings on mV and pH.

**Range lock** for conductivity measurements.

**Capacitive compensation** eliminates the capacitive component of the electrode and cable when measuring low conductivities.

**Galvanic isolated USB interface** eliminates ground loop effects when connected to a PC (C3050 only).

**Ethernet connection** allows remote access to the device via LAN or Internet (C3051 only)

#### **Pre-programmed standards**

pH: 1.68, 2.00, 4.00, 4.01, 6.87, 6.99, 9.18, 9.21, 10.01, 12.00, 12.45 (at 25°C)  
 Conductivity: 1413 μS/cm, 12.88 mS/cm, 111.8 mS/cm (at 25°C)

**Free software and firmware updates** downloadable from [www.consort.be](http://www.consort.be)



Artistic in science

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