

Versatile and handy diagnostic tool

## The 767 Calibrated Reference for your lab



The 767 Calibrated Reference checks the precision of your instruments and helps to identify problems with electrodes, electrode cables or the measuring amplifier.

You might have wondered whether your analytical instrument is working properly or whether the measured value is correct. In most cases the fault is not due to the electronics of the instrument, but results from external factors such as, for instance, electrode problems or interference by chemical processes. The reference values supplied by the 767 Calibrated Reference quickly provide clarity about the condition of the instrument, the electrodes used and the connections (cables) in an uncomplicated way. By using the test results you can usually solve the problem yourself (e.g. by replacing the electrode cable) without having to consult the repair service. The 767 Calibrated Reference can be used with potentiometric titrators, pH meters, KF instruments, conductometers and Rancimat – every lab should have one!

**Possible uses of the 767 Calibrated Reference:**

- Titrators and pH meters – the 767 supplies a defined mV or pH signal.
- Conductometers – the 767 provides accurate resistance values for checking the conductivity measurement.
- Rancimat – each measuring channel can be checked individually with the 767.
- Temperature sensors – simply connect the 767 instead of the Pt 100 or Pt 1000 temperature sensor.
- Faulty cables and contact problems – the 767 allows faults to be quickly recognized.
- Polarization current ( $I_{pol}$ ) or polarization potential ( $U_{pol}$ ) – possible sources of error are reliably determined with the 767.

*To handle yourself,  
use your head;  
to handle others,  
use your heart.*

*Donald Laird*

The 767 Calibrated Reference is extremely simple to handle and very versatile. It is connected to the instrument to be checked instead of the usual sensor and allows to check your instrument within the normal working procedures and therefore in the methods that have been drawn up. This has the advantage that the operating procedures and the methods used are also subjected to a check. A solar cell provides the 767 Calibrated Reference with energy, which means that complicated wiring is not necessary and no expensive batteries are required.

The Calibrated Reference is also ideal for regularly checking your instruments within the framework of quality assurance.