

## High Impedance Medium Voltage Differential Amplifier type Ex06, Mk2



## **Features**

- Very high input impedance, suitable for Ph probes, reference electrodes, selective chemical electrodes.

- Two separate inputs and outputs

- Input levels up to 50 Volts, for demanding applications

- Over-range indication, enables for reliable use of the instrument

## **Overview**

High impedance front-end amplifier for laboratory use. Useful as a high impedance input section for Ph-electrodes, reference electrodes or selective anion and cation electrodes.

Using conventional inputs on electrochemical measurement electrodes will degrade these electrodes due to the relatively high measuring current. The inputs of this amplifier have an extremely high impedance resulting in a nihil load on the measuring element and consequently a longer lifetime of the measurement element.

The unit has two separate channels, separated from the power supply input and from eachother.

The output impedance is set to 2.7kOhms, mostly for improved safety and hassle free operation. For low impedance data-loggers this may lead to a lower reading. This can be compensated for by multiplying with a calibration constant. The output impedance can also be lowered, for further details please contact the supplier.



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## Technical specifications

Input range	-50 +50 V
Input current	25 fA plus leakage current from
	connectors and cabling.
Input impedance	> 10 <sup>15</sup> Ω
Input offset	less than 25mV
Input overload	optical indication at -50 and +50
	Volts, each input.