

## ▶ IMED SIGNAL CONDITIONER

## IME-SC

### SHAPE ANALOG SIGNALS TO YOUR NEEDS

**Need to offset and amplify an analogue signal? The IMED Signal Conditioner buffers high-impedance analogue signals and conditions them for a wide variety of uses.**

Analog measurements sometimes require signal conditioning. Be it that potentiometers are not used over their full scale or temperature sensors working in a subset of their full measuring capabilities.

Wherever higher resolution is needed, often the best option still is to use an analog signal amplifier. By using high-precision, low drift adjustable amplifiers, the IMED Signal Conditioner is an easy to use solution for your needs. It allows independent offset and gain calibration of low-voltage signals and also acts as a buffer, providing a low-impedance output.

#### ▶ PROBLEM:

- ▶ Analog signals sometimes have wrong offsets or limited amplitudes
- ▶ Sensors provide high-impedance voltage source (e.g. potentiometer, NTC)
- ▶ Analog-Digital-Converters require amplification
- ▶ In-house developments take too much time

#### ▶ SOLUTION:

- ▶ General purpose amplifier providing independent offset and gain adjustments
- ▶ True ratiometric design
- ▶ Water-proof housing
- ▶ Easy to setup
- ▶ Plug and Play compatibility with potentiometers

