



Superior op-amps for improved gas detection

Gas detection sensors require high precision and low power operational amplifiers. STMicroelectronics has a long experience in design and manufacture of op-amps and offers a range of device ideally suited to gas detection applications.

The **TSU102** is perfect for all battery powered applications using electrochemical sensors. It consumes only 600nA per channel at 3.3V and it is capable of operating down to 1.5V.

For higher accuracy applications the **TSV712** is the perfect solution with a maximum input offset voltage of 200 μ V.

Low signal levels, such as those generated by galvanic cells, require a high precision amplifier such as the **TSZ121** which offers an ultra-low input offset voltage of maximum 5 μ V.

For a 4-20mA output, op-amps operating at high voltages are also available.

All products are rail-to-rail for application matching and maximum range.

Products are available in tiny packages - SC70-5 for single-channel and DFN8 for dual-channel.

For more information visit:

http://www.st.com/web/en/catalog/sense_power/FM123

http://www.st.com/web/en/resource/technical/document/application_note/DM00093722.pdf