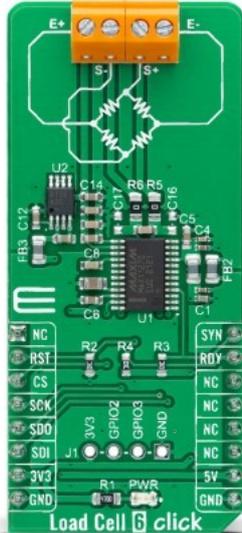# Load Cell 6 Click

PID: MIKROE-4940

Load Cell 6 Click is a compact add-on board representing a weigh scale solution. This board features the MAX11270, a high-performance 24-bit delta-sigma ADC that achieves excellent 130dB SNR while dissipating an ultra-low 10mW from Analog Devices. This SPI-configurable ADC sample rates up to 64ksps allow precision DC and AC measurements, with integral non-linearity guaranteed to 4ppm maximum. The MAX11270 offers a 6.5nV/√Hz noise programmable gain amplifier with gain settings between 1x to 128x. Optional buffers are also included to isolate the signal inputs from the switched capacitor sampling network, which allows the MAX11270 to be used with high-impedance sources without compromising the available dynamic range. This Click board™ is suitable for weight scale applications in various use cases.

Load Cell 6 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

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Specifications

Type	Force
Applications	Can be used for weight scale applications in various use cases
On-board modules	MAX11270 - pin programmable, ultra-low power 24-bit ΣΔ ADC that resolves a very high dynamic range from Analog Devices
Key Features	High-resolution for instrumentation applications that require a wide dynamic range, high accuracy for DC measurements, flexible high-performance filter architecture, and more
Interface	SPI
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V,5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

MAX6126 datasheet

MAX11270 datasheet

Load Cell 6 click 2D and 3D files

Load Cell 6 click schematic

Load Cell 6 click example on Libstock