



The first plug-n-go module for RaspberryPi featuring a high precision dual-channel Quartz Crystal Microbalance.

✦ System

QCMagicHat is a tiny RaspberryPi add-on card featuring a two channel Quartz Crystal Microbalance.

Two independent oscillators and the related measuring electronics live in just 55x65mm. Updated firmware and high-level software make this board plug-and-go. Just connect the board onto your RaspberryPi equipped with our pre-installed OS and software image, switch on the unit and start getting experimental data.

The assembly can also be utilized remotely over the Ethernet, running the GUI software on a client computer.

✦ Features

- Dual channel and Differential measurements
- 1-to-10 MHz base crystal frequency
- Fast data acquisition (Tgate down to 0.1s)
- High Resolution (0.1Hz)
- Use off-the-shelf AT-cut Quartz Crystals
- Selectable Quartz Holder (HC6/U or HC49U)
- Sold OEM (board only) or in a nice plastic Box



✦ Liquid cell

QCMagicHat can be equipped with our optional plexiglass Liquid Cell, featuring both static and flow-through operation. This little add-on enables QCM measurements in liquid media (works with HC6/U crystals).