



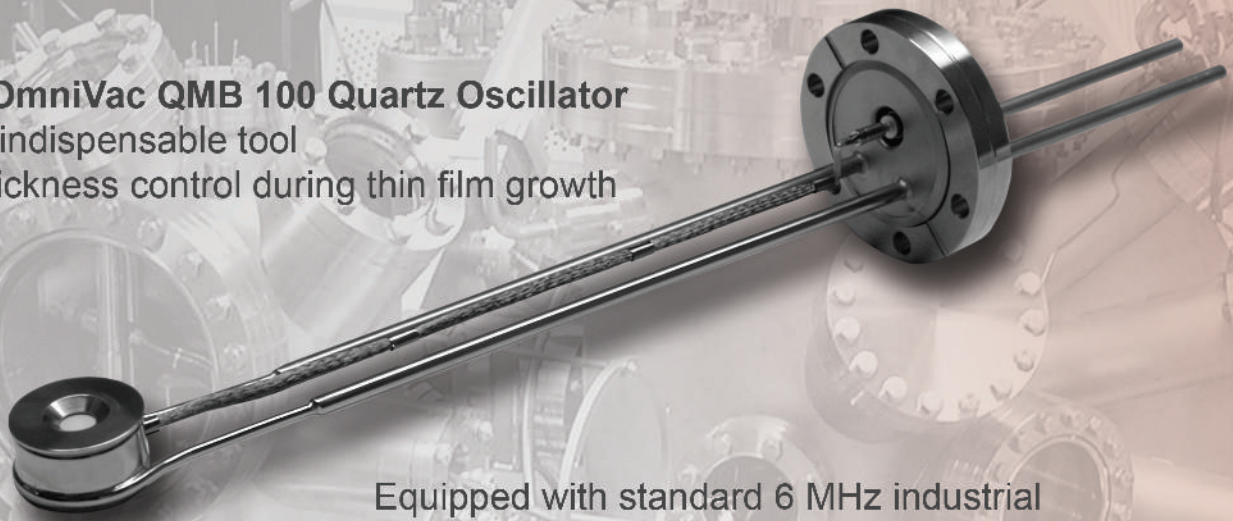
# OmniVac

Surface Analysis and Vacuum Technology

## Quartz Microbalance

### QMB 100/200

The OmniVac QMB 100 Quartz Oscillator is an indispensable tool for thickness control during thin film growth



Equipped with standard 6 MHz industrial quartzes, the **QMB 100** can easily be adapted to meet the needs of the experimental setup

- easy operation
- simple calibration
- high T operation
- reliable thickness control
- standard industrial 6 MHz quartzes

[www.omnivac.de](http://www.omnivac.de)



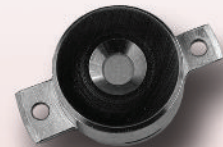
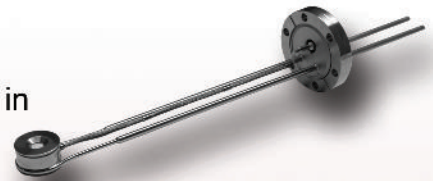
# QMB 100/200 Quartz Microbalance

The **OmniVac QMB 100 Quartz Oscillator** is an indispensable tool for thickness control during thin film growth. Equipped with standard 6 MHz industrial quartzes, the **QMB 100** can easily be fitted to the needs of the experimental setup.

The high temperature design allows for use of the **QMB 100** in combination with high temperature evaporants.

The **QMB 100** is mounted on a DN 40CF flange containing the necessary water and coaxial feedthroughs.

Alternatively, the **QMB** assembly can be mounted on a **SH Sample Holder (QMB 200)**, thus enabling rate measurements at the position of the sample.



## QMB 100 Quartz Oscillator

|                         |   |
|-------------------------|---|
| <i>Crystal</i>          | Industrial standard 6 MHz, 10 mm diameter |
| <i>Cooling</i>          | Water, 0.8 l/min, 3 mm tube               |
| <i>Materials</i>        | Stainless steel, non-magnetic             |
| <i>Connector flange</i> | BNC                                       |
| <i>Mounting flange</i>  | DN 40 CF                                  |

## QMB 200 Quartz Oscillator

|                  |   |
|------------------|---|
| <i>Crystal</i>   | Industrial standard 6 MHz, 10 mm diameter |
| <i>Cooling</i>   | via cooling finger                        |
| <i>Materials</i> | Stainless steel, non-magnetic             |
| <i>Mounting</i>  | SH Sample Holder                          |

► high temperature operation

► standard 6 MHz quartz crystals

### **Related products:**

**EV 100/200/300 Evaporators**

**EBV 100/200/300 Electron Beam Evaporators**

## Control Unit Inficon STM-2XM/STM-2-USB

|                         |   |
|-------------------------|---|
| <i>High performance</i> | 10 measurements per second, 0.01 Å/s rate display |
| <i>Interface</i>        | RS 232/ RS 485/ USB                               |
| <i>Software</i>         | LabVIEW™ application                              |
| <i>Dimensions</i>       | 3" x 4" PCB or 1/2 19" units                      |



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