New From McVac!

TMC-13

Thickness Monitor Controller

Up to 6 thickness Monitors and Rapid SE Software





- Six channels for quartz balance
- 6.5" TFT touch panel display
- Intuitive & multi-language interface
- Compact design
- Two inputs for most active vacuum gauges
- Up to 8 shutters and I/O reprogrammable
- Relay outputs
- Two reprogrammable analog outputs for rate and thickness monitoring with 16 bits resolution
- Communication interfaces: RS232/485, Ethernet IP
- Industry standard 6 MHz Crystal
- Frequency resolution:
 0.1 Hz (for TM 13) or 0.01 Hz (for TM 14)
- Rapid SE and LabVIEW libraries
- Operation of up to two multi-crystal sensor heads (pneumatic or stepper motor)
- 19" rack mounting or stand-alone

 Operate your multi-crystal sensor head as easily as one single crystal.

 Control each single crystal separately.



MCVAC

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Manufacturing

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MANUFACTURING CO. INC.

Crystal Heads Configuration

Shows current position number of each single crystal in the crystal head

Display calibration procedure results - crystal position and measured frequency

Choose between pneumatic or stepper motor drive options

Parameters for the selected crystal head type **Assigned Sensor**

Position

Calibration

Calibration Summary

Auto Mode

Type

Parameters

Select sensor from TM channels (1 to 6) connected to the crystal head

Begin a calibration procedure

Auto or manual mode for switching crystal positions

Pneumatic drive

- Number of position defines the number of attached crystal sensor head
- Assigned relay relay output number
- Pulses to switch number of pulses needed to switch between positions
- Pulses width pulse duration (relay ON) during switching procedur

Stepper motor drive

- Number of position defines the number of attached crystal sensor head
- Microsteps number number of steps needed to switch between positions
- Speed movement speed in steps per second
- Direction direction of motor rotation
- Move current current during move
- determines the occuracy of the motion of the motor







- one-touch material change
- favourites list for frequently used materials
- one-touch units change
- save individual user profile
- built-in video tutorials



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