

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.



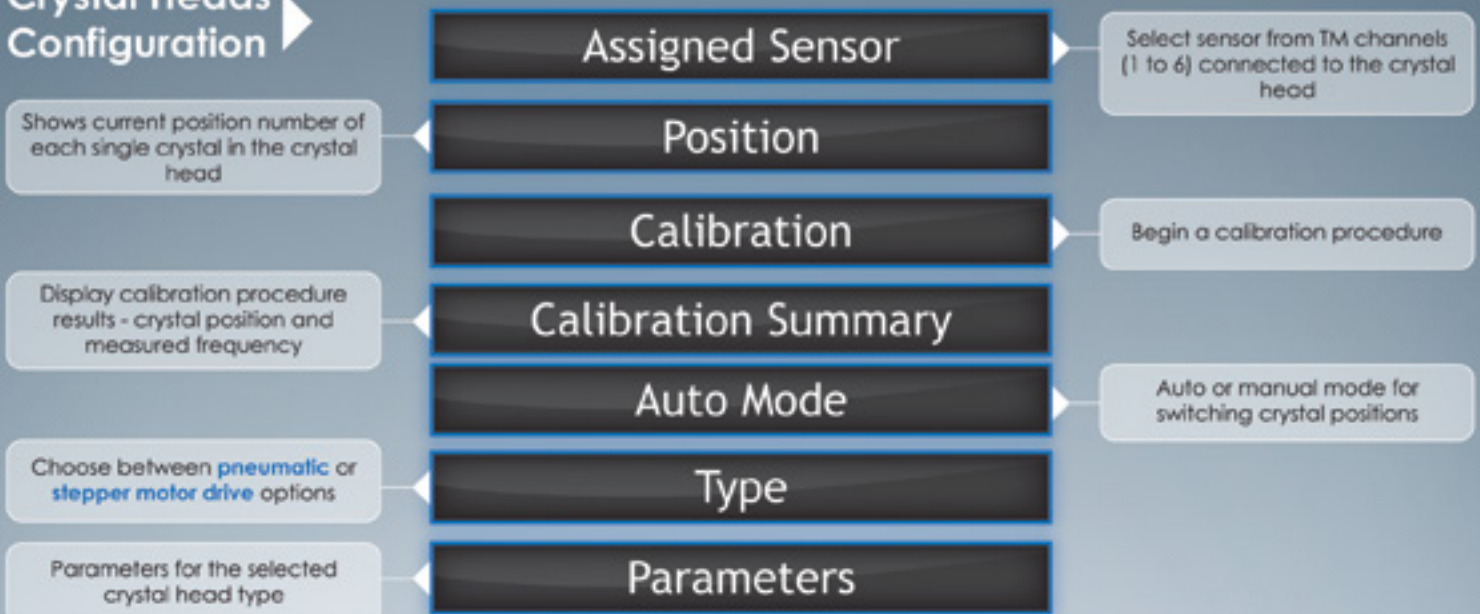
MCVAC

MANUFACTURING CO. INC.

*The Leaders in
Thin Film Coating Instruments
Manufacturing*

315.432.9257 www.mcvac.com
6770 Old Collamer Rd N, E Syracuse, NY 13057 USA

Crystal Heads Configuration



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
- **Mode** determines the accuracy 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

