

Deposition Monitors and Controllers

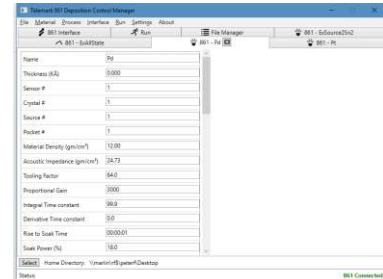


Model 861 Deposition Controller Part Number 861-9910-1

- Includes one oscillator, 6 inch BNC cable and 25 foot shielded RJ45 cable for connecting the oscillator to the instrument and RS-232.
- High frequency internal reference oscillator provides <0.01A resolution for aluminum
- Operates with 5 MHz or 6 MHz crystals
- Extensive materials library, also allowing for user definable materials
- Color LCD touch screen for graphical and numerical display of primary real-time process data, providing an intuitive and user friendly operator interface
- All system, film and setup files may be saved via a front panel USB port, as well as uploaded to instrument
- Can accommodate up to 99 processes of 999 layers each
- Standard unit has 2 crystal sensor inputs and 2 isolated rate control analog output drivers, expandable to 4 each.
- Standard 8 relay isolated outputs and 8 optically isolated inputs (for both active and passive mode) Optional up to 32 ea.



Included Windows Software for RS-232 or Ethernet



Model 862 Deposition Controller Part Number 862-9910-1

Same features as the 861 but in a chassis with 7-inch touchscreen and capabilities to control co-deposition, average up to 4 sensors simultaneously

Model 851 Thickness Monitor Part Number 851-9911-1

The 851 is capable of supporting two sensors sequentially, includes I/O and RS-232, oscillator and 25 foot cable for connecting the oscillator to the instrument. Come with both ears for half rack mounting and table top legs that tilt screen upwards.



Sensors

Non-Bakable Sensors

880-3110-1 Single parallel sensor
 880-3120-1 Single parallel sensor with shutter
 880-3130-1 Single right angle sensor
 880-3210-1 Dual parallel sensor w/shutter
 880-3220-1 Dual right angle sensor w/shutter



Right Angle



Parallel



Parallel with shutter



Dual Parallel with shutter

Bakable Sensors

880-3010-1 Single Parallel Sensor
 880-3020-1 Single Right Angle Sensor
 880-3030-1 Dual Parallel Sensor with Shutter



Right Angle



Parallel



Dual Parallel with shutter

Feedthroughs

880-2100-2 Single 1" Feedthru, UT
 880-2301-0 Single 1.25" (32mm) Feedthru, UT
 880-2100-4 Single 1" Feedthru, UT (shutter)
 880-2100-5 Dual 1" Feedthru, UT



Single



Single with Shutter



Dual

Crystals

861-0201-3 6MHz gold coated sensing crystals (Disc of 10)
 861-0202-3 6MHz aluminum alloy sensing crystals (Disc of 10)
 861-0203-3 5MHz gold coated sensing crystals (Disc of 10)
 861-0205-3 6MHz silver coated sensing crystals (Disc of 10)



Six Crystal Rotary Sensor



FEATURES

- **Compact Design**
- **Flexible Installation**
- **Simple Maintenance**
- **Optional Crystal Controller**

