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)

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.

Included Windows Software for RS-232 or Ethernet
Model 861 Deposition Systems

861 Deposition Systems include:
- 861 Deposition Controller
- Oscillator, Sensor(s)
- Feedthrough
- 30” in-vacuum coax cable(s),
- 6” coax cable
- 25 foot oscillator to 861 cable
- Controller power cable
- RS-232 cable
- 8 outputs, 8 inputs
- Remote Power Handset
- USB drive
- Ten 6MHz Gold Coated Crystals

MADE IN USA
Deposition System #1
Complete 861 System with Single Non-Bakable Sensor with Ultra Torr Fittings
861-9910-6112 Parallel Sensor and 1" Feedthrough
861-9910-6113 Parallel Sensor and 1.25" Feedthrough
861-9910-6132 Right Angle Sensor and 1" Feedthrough
861-9910-6133 Right Angle Sensor and 1.25" Feedthrough

Deposition System #2
Complete 861 System with Single Non-Bakable Sensor with Shutter & Ultra Torr Fittings
861-9910-6122 Parallel Sensor and 1" Feedthrough
861-9910-6123 Parallel Sensor and 1.25" Feedthrough

Deposition System #3
Complete 861 System with Single Bakable Sensor
861-9910-6014 Parallel Sensor on 2-3/4" CF Flange
861-9910-6034 Right Angle Sensor on 2-3/4" CF Flange

Deposition System #4
Complete 861 System with Dual Non-Bakable Sensor with Shutter and Ultra Torr Fittings
861-9910-6212 Parallel Sensor and 1" Feedthrough
861-9910-6213 Parallel Sensor and 1.25" Feedthrough
861-9910-6222 Right Angle Sensor and 1" Feedthrough
861-9910-6223 Right Angle Sensor and 1.25" Feedthrough

Deposition System #5
Complete 861 System with Dual Bakable Sensor with Shutter
861-9910-6034 Parallel Sensor on 2-3/4" CF Flange
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

Bakable Sensors
880-3010-1 Single Parallel Sensor
880-3020-1 Single Right Angle Sensor
880-3030-1 Dual Parallel Sensor 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

Crystals
880-0201-3 6MHz gold coated sensing crystals (Disc of 10)
880-0202-3 6MHz aluminum alloy sensing crystals (Disc of 10)
880-0203-3 5MHz gold coated sensing crystals (Disc of 10)
880-0205-3 6MHz silver coated sensing crystals (Disc of 10)

Six Crystal Rotary Sensor

FEATURES
• Compact Design
• Flexible Installation
• Simple Maintenance
• Optional Crystal Controller