QuietBox™

raymond RF

QuietBoxes were developed for testing hand held wireless devices such as pagers and cellular phones. Their unique features of small size, ease of use and safety make them ideal enclosures for trouble shooting and Quality Assurance testing. When interfaced with test equipment, a QuietBox can become an important part of a fully automated QA testing system. A well designed QA testing system can be operated by assembly personnel, thus increasing the productivity of the EMC Technicians and Engineers. QuietBoxes typically provide 80 dB of RF shielding attentuation between 1 MHz and 10 GHz, however, higher levels of shielding are available on special order.

The QuietBox 850 is a cam shell, table top unit, which is pneumatically powered and can easily be interfaced with a computer vis-à-vis an RS232 connection. Pagers, cellular phones and WiFi devices have all been successfully tested in the QuietBox 850. A standard QuietBox, like a full size walk-in shielded enclosure, has metallic surfaces which reflect radio frequency waves. Therefore devices which communicate wireless may not work as well in a standard QuietBox due to Phase distortion from the enclosure surfaces. To reduce phase distortion the QuietBox 850 has absorber treatment.

Features: Base Price (2015) $4,825

- Operates on 12 volts; Power adaptor included
- RS232 port which interfaces all QuietBox Controls
- Size: 16" W x 19" D x 15" H
- Pneumatic power open and close (requires 80 psi, clean dry compressed air)
- 4 each User definable operation keys
- 1 each N Type feed through connector
- Laminated absorber treatment of all surfaces (typical)
- Requires 100 psi, clean dry compressed air

Options: (Includes installation if ordered with a QuietBox)

- 80 CFM Exhaust Fan Package ……………………………………………………… $610
    (two honeycomb vents and one exhaust fan, on/off switch)
- 15A Power Package (Includes cord, internal duplex receptacle) ………………… $1,120
- Rack Mounting Kit ……………………………………………………………………… $295
- Bulkhead Panel to mount RF Feedthroughs (5.5" x 5.5" usable area)…………… $195
- N-type Feedthrough ……………………………………………………………………… $70
- BNC Feedthrough ……………………………………………………………………… $70
- SMA Feedthrough ……………………………………………………………………… $70
- DB9 Filtered Feedthrough …………………………………………………………… $100
- 3/8" Waveguide Penetration (to pass fibreoptic cables) …………………………… $75
- 1/2" Waveguide Penetration (to pass fibreoptic cables) …………………………… $95
- 10/100/1000 Base T Ethernet Fibreoptic Filter……………………………………… $795

Notes and Terms:

- Payments Terms: VISA / Master Card / American Express
- All pricing is in US funds not including local, state or federal taxes
- FOB Raymond RF