

Key Benefits

- Easy, web-based advance booking
- Control who uses equipment & when
- Reduce damage to equipment
- Account easily for instrument usage

Instrument Access Control

- Locks Instrument computer to prevent unauthorized use
- Unlock with User Name & Password or, optionally, with RFID card
- Instrument software can continue running while locked, eliminating lengthy start-up delay
- Instrument software can run in account intended by instrument manufacturer

Key Features

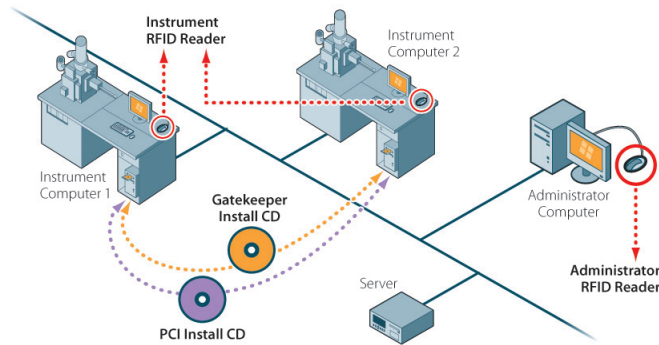
- Controls access to instrument computers
- Allows advance booking of instruments
- Produces reports of instrument bookings and actual usage
- Works with other Quartz PCI products to acquire and process data and make it available on-line

RFID Reader (optional)

- Connects via USB interface
- Readers compatible with many building access card systems are available



System Architecture



Instrument Usage Reports

- Accessed via web application
- Select instruments, date range, uses
- Shows times booked and times actually used
- CSV format suitable for importation into Excel and other applications

The screenshot shows a Microsoft Excel spreadsheet titled "2006_11_21_instrument_usage_report.xls". The spreadsheet contains two tables of instrument booking and login data.

Booking Id	User Login Id	Instrument	Booking Start	Booking End	Elapsed Booking Time (Hours)	Elapsed Booking Time (Minutes)	Account	Elapsed Login
1	Admin	INSTRUM	11/17/2006 3:00:00 PM	11/17/2006 4:00:00 PM	1	0	0	0
4	james	S4800	11/21/2006 8:00:00 PM	11/21/2006 7:00:00 PM	1	0	0	0
6	jdwitz	INSTRUM	11/20/2006 7:00:00 PM	11/20/2006 8:00:00 PM	1	0	0	0

Instrument	User Login Id	Instrument	Instrument Log Start	Instrument Log End	Elapsed Login Time (Hours)	Elapsed Login Time (Minutes)
1	Admin	Default	11/15/2006 2:17:53 PM	11/15/2006 2:21:04 PM	0	3
2	Andrew	Default	11/15/2006 2:23:00 PM	11/15/2006 2:23:46 PM	0	0
3	Andrew	Default	11/15/2006 2:24:52 PM	11/15/2006 3:34:47 PM	1	9
4	Admin	Default	11/15/2006 2:45:07 PM	11/15/2006 2:46:40 PM	0	1
5	Admin	Default	11/15/2006 2:46:53 PM	11/15/2006 3:10:08 PM	0	23

Advance Booking

- Web-based booking application
- Can specify additional information to collect, such as billing code
- Can specify booking interval (such as every 30 minutes, 1 hour etc.)

