

Retrieve MAC Address for Wyatt networked instruments

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1. Press Start, then select Run

2. Enter "cmd" in the dialog that is displayed and press OK.

3. At the prompt type "ping <instrument name>", where <instrument name> is the name of the instrument as displayed on the Communications Page of the Front Panel of the Wyatt Instrument (i.e. ping wyatt-338-rex), then press enter. Output similar to the following should be displayed:

```
C:\WINDOWS\system32>ping wyatt-sft-h

Pinging wyatt-sft-h [172.20.1.215] with 32 bytes of data:

Reply from 172.20.1.215: bytes=32 time=1ms TTL=128
Reply from 172.20.1.215: bytes=32 time=1ms TTL=128
Reply from 172.20.1.215: bytes=32 time=1ms TTL=128
Reply from 172.20.1.215: bytes=32 time<1ms TTL=128

Ping statistics for 172.20.1.215:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

4. At the prompt type "ping <ip address>", where <ip address> is the ip address returned from the previous ping command, this should match the information on the Communications page of the Front Panel of the Wyatt Instrument. The output should be similar to:

```
C:\WINDOWS\system32>ping 172.20.1.215

Pinging 172.20.1.215 with 32 bytes of data:

Reply from 172.20.1.215: bytes=32 time=1ms TTL=128
Reply from 172.20.1.215: bytes=32 time<1ms TTL=128
Reply from 172.20.1.215: bytes=32 time<1ms TTL=128
Reply from 172.20.1.215: bytes=32 time<1ms TTL=128

Ping statistics for 172.20.1.215:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

5. At the prompt type "arp -a" and press enter. Output similar to the following should be displayed:

```
C:\WINDOWS\system32>arp -a

Interface: 172.20.1.18 --- 0x2
    Internet Address Physical Address Type
    172.20.1.1 00-b0-d0-f0-e2-7e dynamic
    172.20.1.2 00-d0-b7-84-93-44 dynamic
    172.20.1.199 00-0f-1f-67-01-a7 dynamic
    172.20.1.215 00-07-32-02-0b-27 dynamic
    172.20.1.254 00-0e-83-84-db-33 dynamic
```

5. From the table of information displayed by the arp command, look up the instrument ip address to retrieve the instruments Physical Address which corresponds to the MAC Address of the instrument. For the example show here the MAC Address for 127.20.1.215 would be 00-07-32-02-0b-27.