

LUDLUM MEASUREMENTS, INC.

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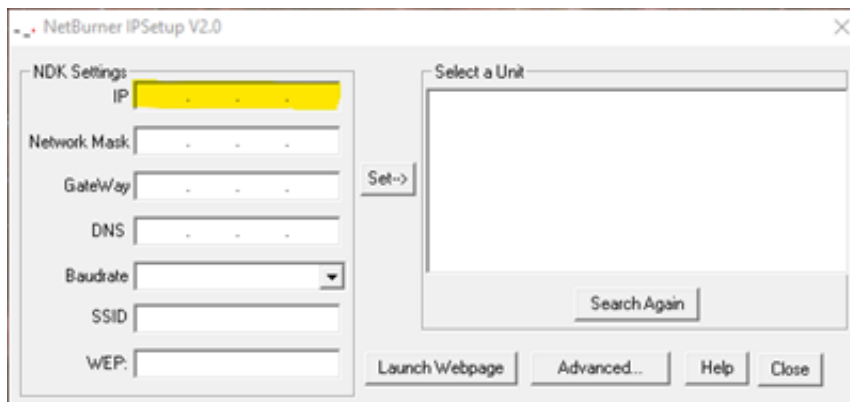
Phone: 325-235-5494 800-622-0828 (USA)

Fax: 325-235-4672 E-Mail: ludlum@ludlums.comWebsite: <http://www.ludlums.com> FEIN 75-1085764**DESIGNER AND MANUFACTURER****OF***Scientific and Industrial
Instruments*

IP ADDRESS SETUP FOR ANSTO M/375 UNITS

Instructions:

- We will use your office local network, to make the changes to 375 network settings. Connect the 375 to your office network router or switch, using an Ethernet cable. Power on the 375. If the detector is not connected, you will get a Det Fail alarm, which you can ignore. Your office router should find the 375(s) and automatically assign an IP address. Next step is to connect to the 375 on your office network, so that the network information can be reassigned according to ANSTO's requirements.
- On a laptop, or computer, connected to your office network, download the **IP Setup Utility** from our website [here](#). This utility is designed to find all 375 monitors connected to the network. Run the .exe file (it runs as a standalone utility, meaning it is not installed on the HD) and allow the utility access to all networks. Immediately after launching IPSetup.exe, the utility will search for all 375s on your network and report the assigned IP address and other network settings per below screenshot. You need the IP address (yellow shaded) for the next step.
- Any 375(s) found on the network, are shown in the list on the right under "Select a Unit". Clicking on an item in the list will populate the fields on the left. The network settings cannot be changed here. This screen is only used to find the current IP address, so that this IP address can be entered into your browser.



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- Open a browser on the laptop and type the 375 network address into the browser bar & hit enter. The browser should connect to the 375 and the 375 firmware should return a setup screen which looks like the screenshot below:
- You will enter ANSTO data into the yellow shaded fields.

Model 375 Network Settings

Connection Status	Connected to Supervisor.		
Current Reading	0003.2 μ R/hr		
Firmware Version	39801N24		
MAC Address	00:90:C2:FE:98:4E		
Last Updated	4/10/2019, 7:56:21 AM		

Serial Number		289796	Serial number of device (000000 - 999999)
IP Address		192.168.200.126	IP address of device (0.0.0.0 for DHCP)
Subnet Mask		255.255.0.0	Subnet mask IP address of device
Gateway		192.168.0.1	Gateway IP address of device (automatically set for DHCP)
DNS		192.168.0.71	DNS IP address of device (automatically set for DHCP)
TCP/IP Port		50001	Port number of Supervisor service (0-65535)
Unit Code		μ R/hr ▼	Units of device
Supervisor Primary IP Address		10.0.0.50	First IP address that device will use to attempt to connect to the Supervisor service
Supervisor Secondary IP Address		10.0.0.50	Second IP address that device will use to attempt to connect to the Supervisor service

If you wish to change any of the above settings, simply enter the correct password in the "Password" text box, then click on the "Submit" button.

If you wish to change the password, enter the current password in the "Password" text box and the new password in the "New Password" and the "Confirm New Password" text boxes, then click on the "Submit" button.

If you wish to force the area monitor to check for a firmware update, enter the current password in the "Password" text box, then click on the "Check Firmware" button.

Password	
New Password (optional)	
Confirm New Password (optional)	

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- Check the serial number reported by the firmware, matches the serial number on the side of the 375
- ANSTO provided 5 data fields (below blue message). To make things easier, I created a spreadsheet (attached) with all 40x 375 serial numbers and the IP address required by ANSTO. Grab a 375, check the serial number and setup the IP address as shown on the spreadsheet.
- The Network Mask, Gateway, Primary DNS and Secondary DNS (not used) fields will be the same for all 40x units. Enter 4 fields into the 375 screen above, except "Secondary DNS", which the 375 does not support. Leave all the remaining data fields unchanged. The Password required is "password" (lower case and without quotations). Hit Submit and the information will be written to the 375 firmware.
- Done!

Serving the Nuclear Industry Since 1962

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E-mail from ANSTO - I have allocated 40 IP addresses for the radiation monitor controllers. 20 gamma and 20 neutron. These, and the associated network info is here:

IP addresses: 17.17.16.1 through to 17.17.16.40
Network Mask: 255.255.0.0
Gateway: 10.17.0.254
Primary DNS: 10.17.1.21
Secondary DNS: 10.17.1.22

Since controller and probe will stay together as a pair, I suggest 17.17.16.1 to 17.17.16.20 for the gamma probe controllers and 17.17.16.21 to 17.17.16.40 for the neutron probe controllers.

- The remaining step for ANSTO will be to assign the Supervisor Primary IP Address and the Supervisor Secondary IP Address. These addresses refer the network locations where ANSTO's S/W will connect to the 375's to collect the streaming data. ANSTO will need the attached spreadsheet to reference M/375 serial numbers, with the assigned IP addresses.
- Please also advise Serge about the password for this 375 network setup screen ... password.

Wayne Richardson
Director Asia – Ludlum Measurements inc

May, 2020