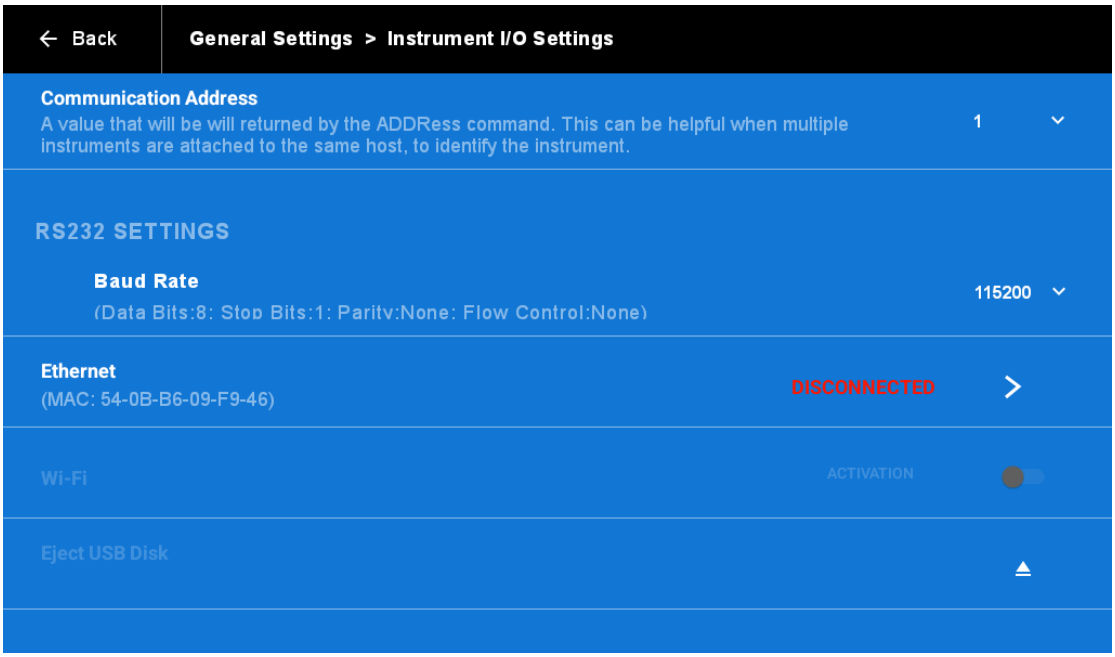
Instructions for connecting the x940 meter via Ethernet with a PC or other Ethernet Devices

The Newport x940 meter is primarily intended for standalone usage. However, it offers the capability to be controlled remotely via USB or Ethernet using Newport's PMManager Windows PC application.
Ethernet connectivity is available from x940 meter firmware version x.0y.

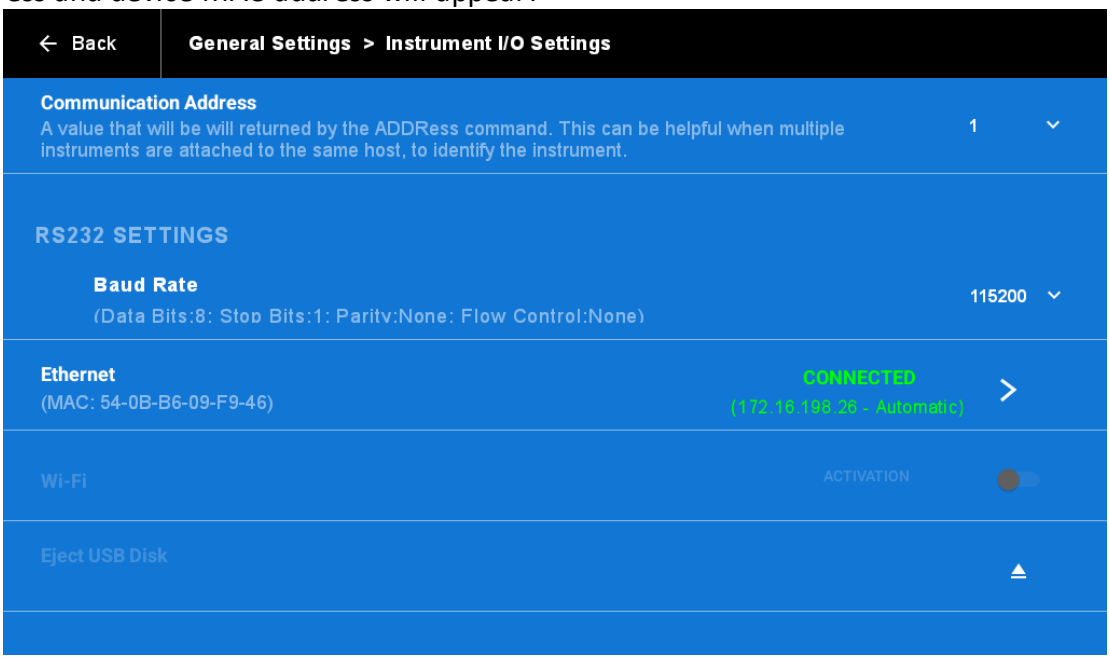
Alternately, customers who wish to integrate measurements from the x940 into their own software can communicate and control the x940 via Ethernet or RS232 by utilizing the set of Newport 'User Commands' in their proprietary software code.
For User Command details please see the "Newport User Commands.pdf" document, downloadable from: https://www.newport.com/mam/celum/celum_assets/np/resources/Newport_User_Commands_rev7.pdf?0
or installed together with PMManager software

x940 Ethernet Settings:

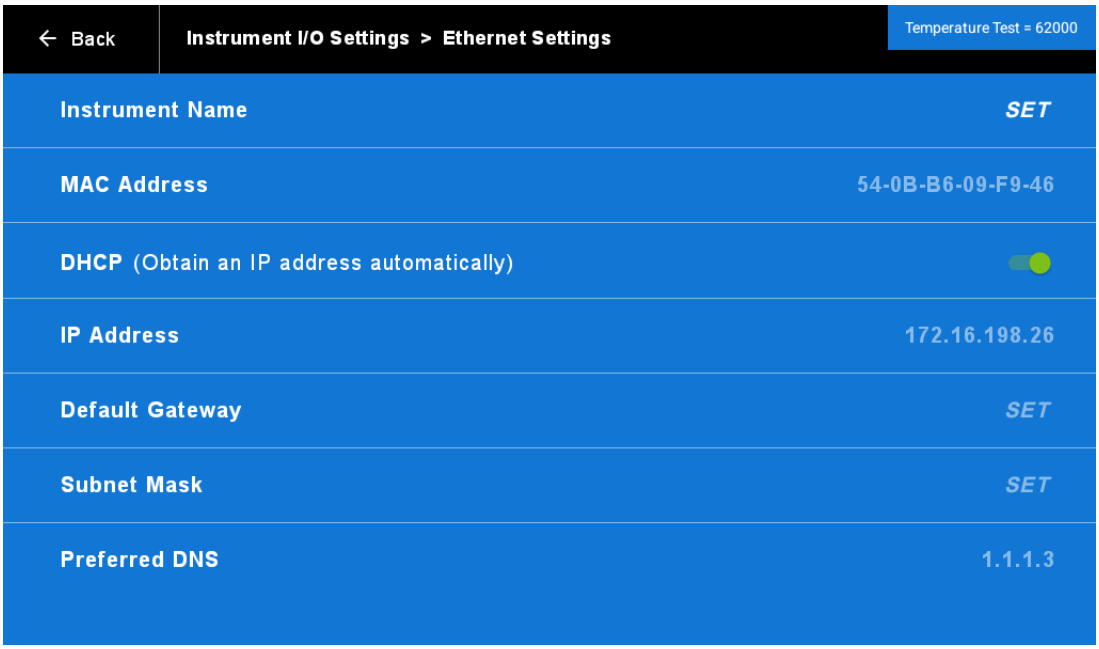
Go into the ***Ethernet*** Setting in the ***Instrument I/O Settings*** page.
When the meter is not connected via Ethernet, ***Disconnected*** will appear in red.



When the meter is connected via Ethernet, ***Connected*** will appear in green.
The IP address and device MAC address will appear.



Press the green text at the end of row showing the Ethernet status in order to open the ***Ethernet Settings*** window.



The IP Address and additional fields can be entered either manually or received from a connected network automatically via DHCP.
Text entered in the ***Instrument Name*** field can assist in identifying the meter.

TCP Connection and ports:

The x940 can communicate via Ethernet using TCP/IP and HTTP protocols

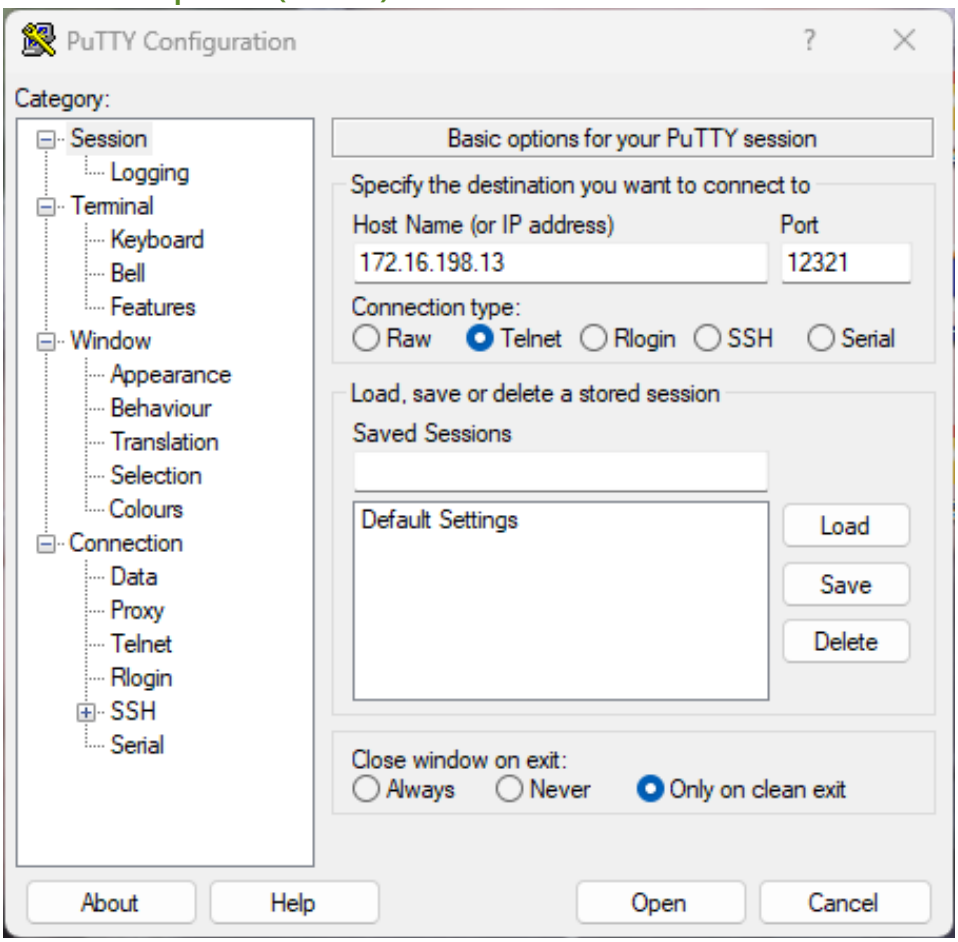
TCP/IP Protocol:

The x940 can communicate via Ethernet using TCP/IP protocol via port: 12321

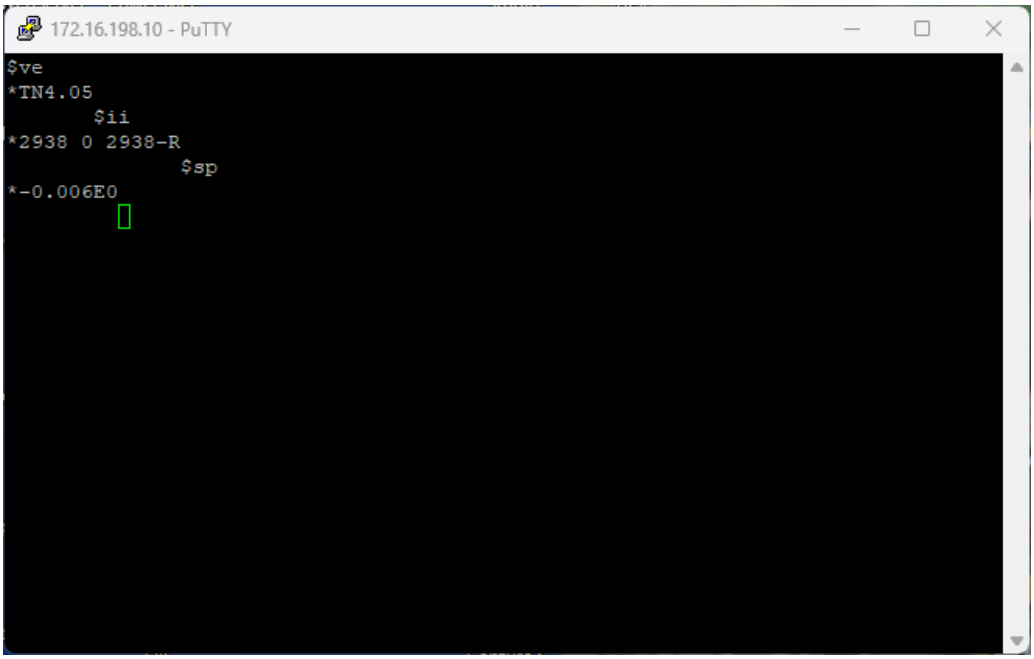
TCP/IP is a Client-Server protocol with reliable packet confirmation packets.
The x940 meter is the server and the other Ethernet device is the client.
Communication with the meter can be realized from proprietary software package on any Ethernet connected platform and a set of Newport User Commands which are provided to allow control and query the meter.
Any off-the-shelf Telnet style application can be used to communicate with the x940 meter.

Using off the shelf application like "PuTTY"

Opening a "Command port" (12321)

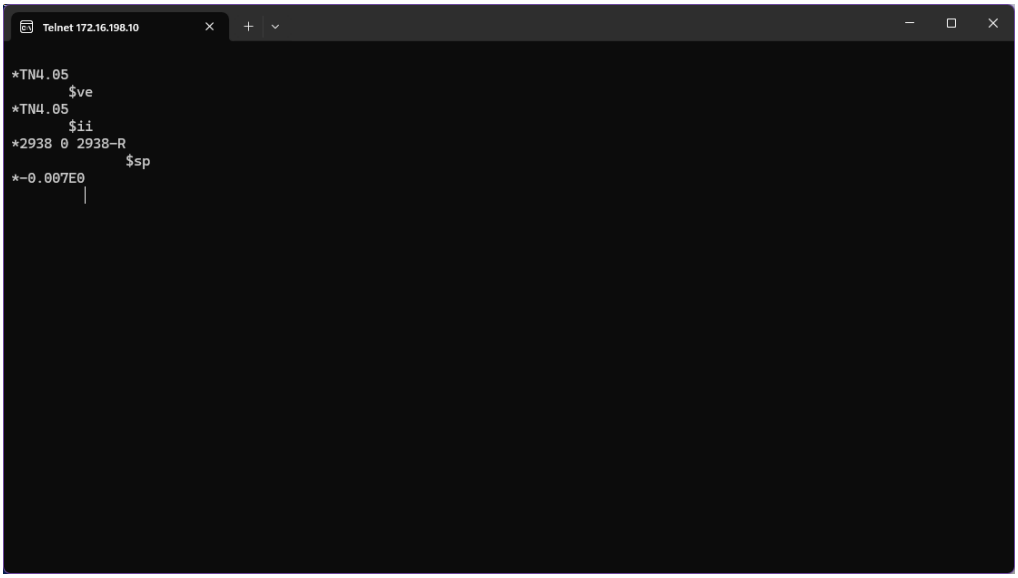


Examples of commands & replies sent via Telnet terminal



Using a standard browser in Windows (will launch a Telnet console)

telnet://172.16.198.13:12321



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