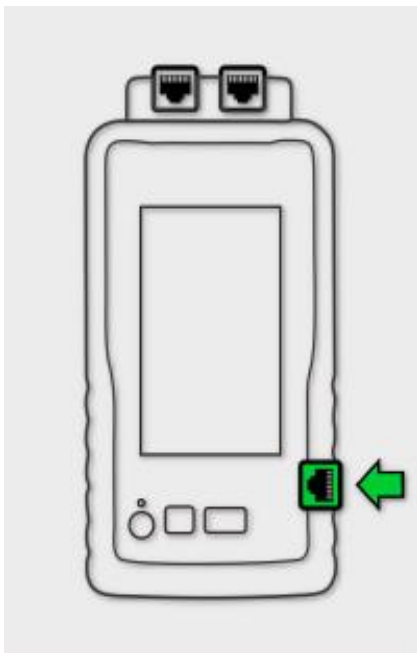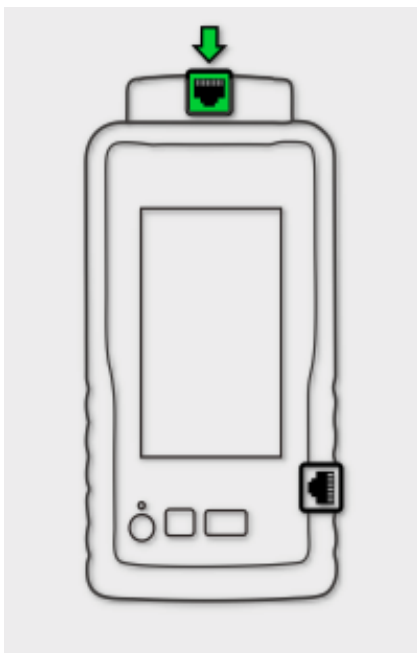# Which Ethernet Connector Do I Use?

Your TestPro is a powerful and versatile test instrument which can capable of basic cable tests, full cable certification, 100M/1G Ethernet tests, 2/5/5/10G Ethernet tests, and Power over Ethernet (PoE) tests. This article describes which connectors are used for which tests.
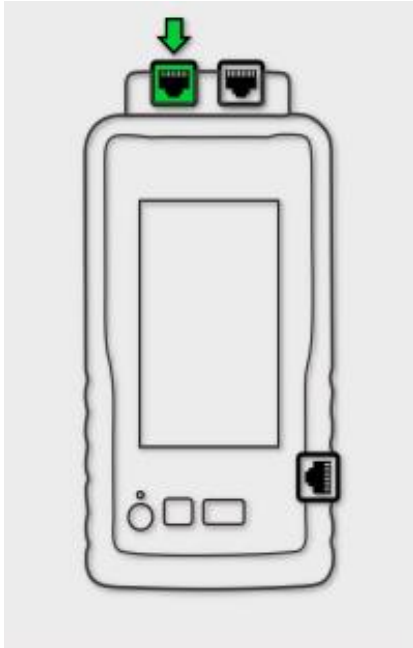

The Side Port is used for the following tests:

1. Basic cable continuity/wiremap length measurements
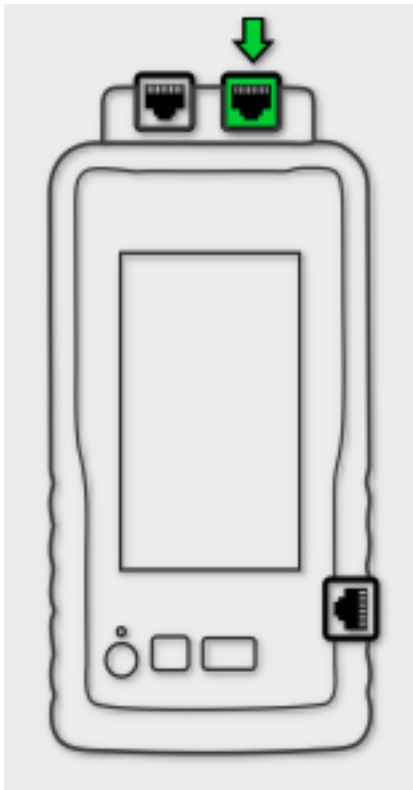2. IEEE 802.3 BASE-T tests at 100Mbps and 1Gbps

The Top Port on the CAT 6A/Class E_A Channel adapter is used certifying UTP and shielded twisted pair channels.

The Permanent Link adapter which has a cable integrated into the connector housing (not shown) is used for Permanent Link tests.

The top left port (as seen facing the unit with an installed AD-NETCABLE adapter, also labeled CAT 6A/CLASS E$_A$ CHANNEL) is used for certifying UTP and shielded twisted pair channels, assuming you have a software license for the AD NETCABLE adapter. In that sense this port is identical to the dedicated CHANNEL ADAPTER discussed above.

The top right port (as seen facing the unit with an installed AD-NETCABLE adapter, also labeled 2.5G/5G/10G {PoE) is used for:

1. Testing a channel to see what level of Ethernet speeds it can support and which how much headroom
2. Testing an Ethernet switch from a remote location to see the maximum speed supported by both the switch and the link
3. Testing a PoE device to ensure PoE functionality and negotiation is working
4. Testing a PoE device to determine how much power can be supplied