DG-1000 Pressure and Flow Gauge Networking Examples

TEC Example 1

Single Fan System - Automated Testing (1 DG-1000 Gauge – wireless communication)
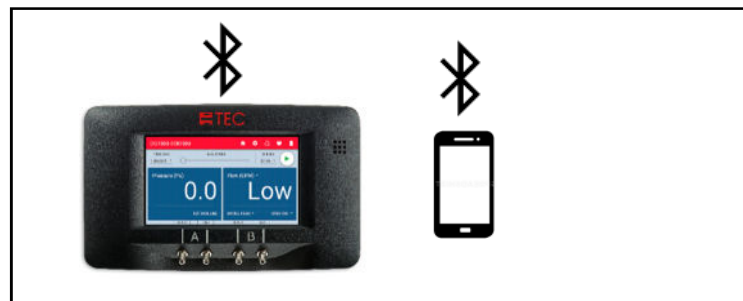

Wireless Connections Options:

a) Set the DG-1000 network configuration to **WiFi (Create Network**) 〇 .
   - Join the wireless WiFi network being broadcast by the DG-1000 gauge from your mobile device, or from your PC.
   - Run your TEC software and connect to the gauge.
     - **TEC Auto Test/TEC Gauge** (mobile devices only), or
     - **TECTITE/TECTITE Express** (PC only)

   or

b) Set the DG-1000 to **Bluetooth (Enabled)** �'s .
   - Make sure Bluetooth is enabled on your mobile device (no need to pair devices).
   - Run your TEC software and connect to the gauge.
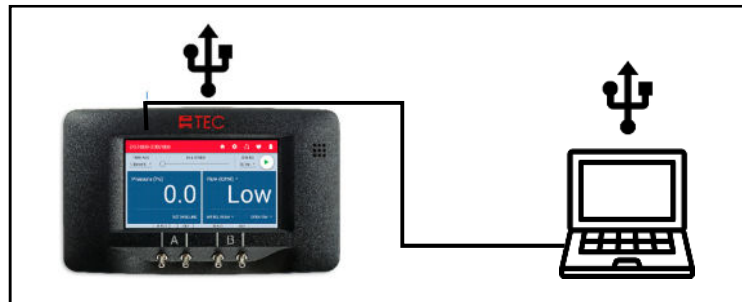   - **TEC Auto Test/TEC Gauge** (mobile devices only)

or

Single Fan System - Automated Testing (1 DG-1000 Gauge – wired communication)

Wired Connections:

a) Set the DG-1000 network configuration to **USB** .

   - Connect the DG-1000 gauge to your PC using a micro USB/standard USB cable.
   - Most PCs will automatically detect and connect to the DG-1000 over USB. Some computers will require a temporary internet connection to allow Windows Update to download the appropriate driver.
   - Run your TEC software and connect to the gauge.
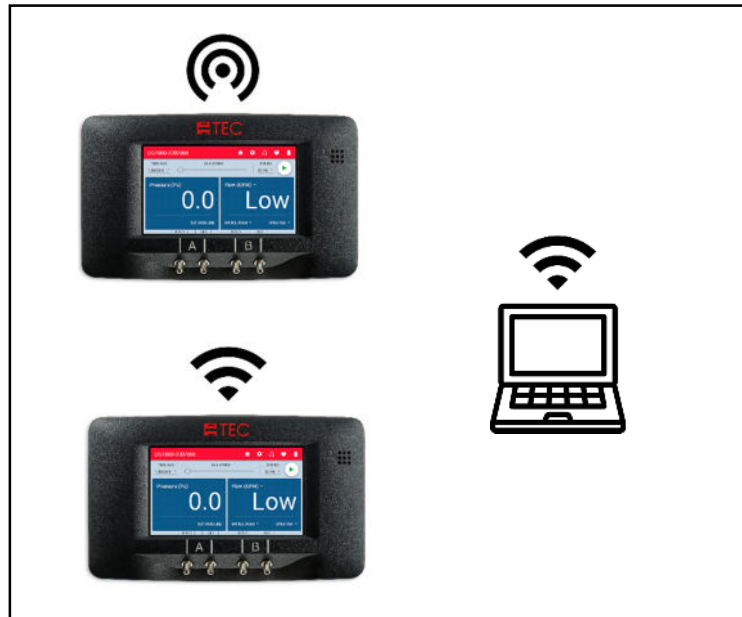   - **TECTITE/TECTITE Express** (PC only)

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TEC Example 3

3 Fan System - Automated Testing (2 DG-1000 Gauges – wireless communication)

Wireless Connections:

a)   Set the network configuration of 1 DG-1000 in the 3 Fan System to **Create Network** .

b)   Set the network configuration of the other DG-1000 in the 3 Fan System to **Join Network** .

- Both the PC and the DG-1000 gauge set to **Join Network** are joined to the wireless network being broadcast by the DG-1000 gauge set to **Create Network**.
- Run your TEC software and connect to the gauges.
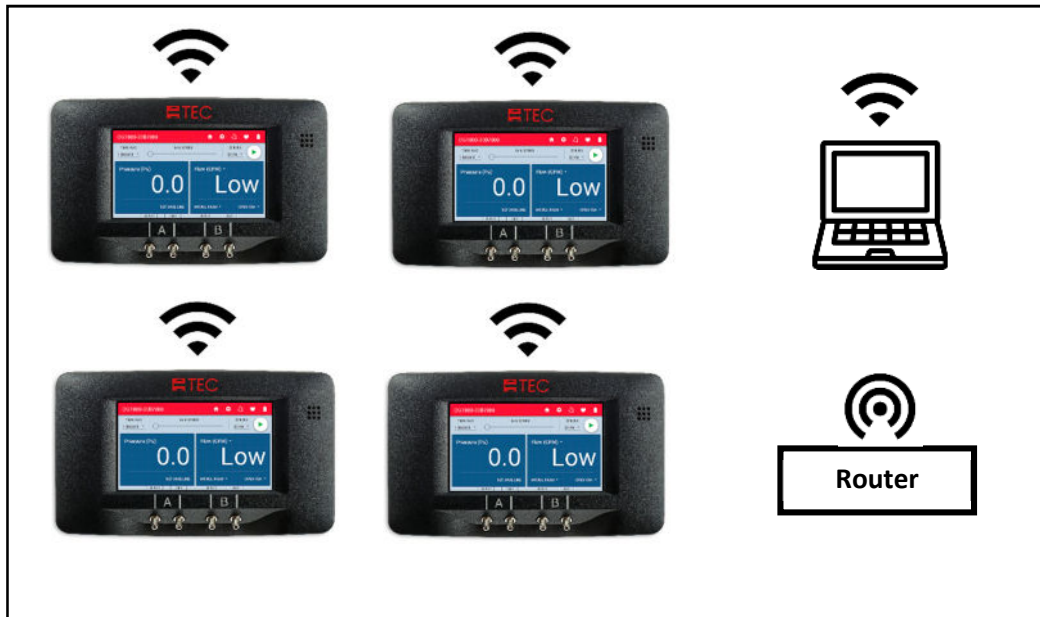   - o   **TECLOG4** (PC only)

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TEC Example 4

Multiple 3 Fan Systems - Automated Testing (4 DG-1000 Gauges – wireless communication)

Wireless Connections:

a)   Set the network configuration of all 4 DG-1000 gauges in the 3 Fan Systems to **Join Network** 📶.

- The 4 DG-1000 gauges are joined to the wireless network being broadcast by the router.
- The PC is also joined to the wireless network being broadcast by the router.
- Run your TEC software and connect to the gauges.
  - **TECLOG4** (PC only)
- This setup can be expanded for additional Blower Door Systems and DG-1000 gauges.

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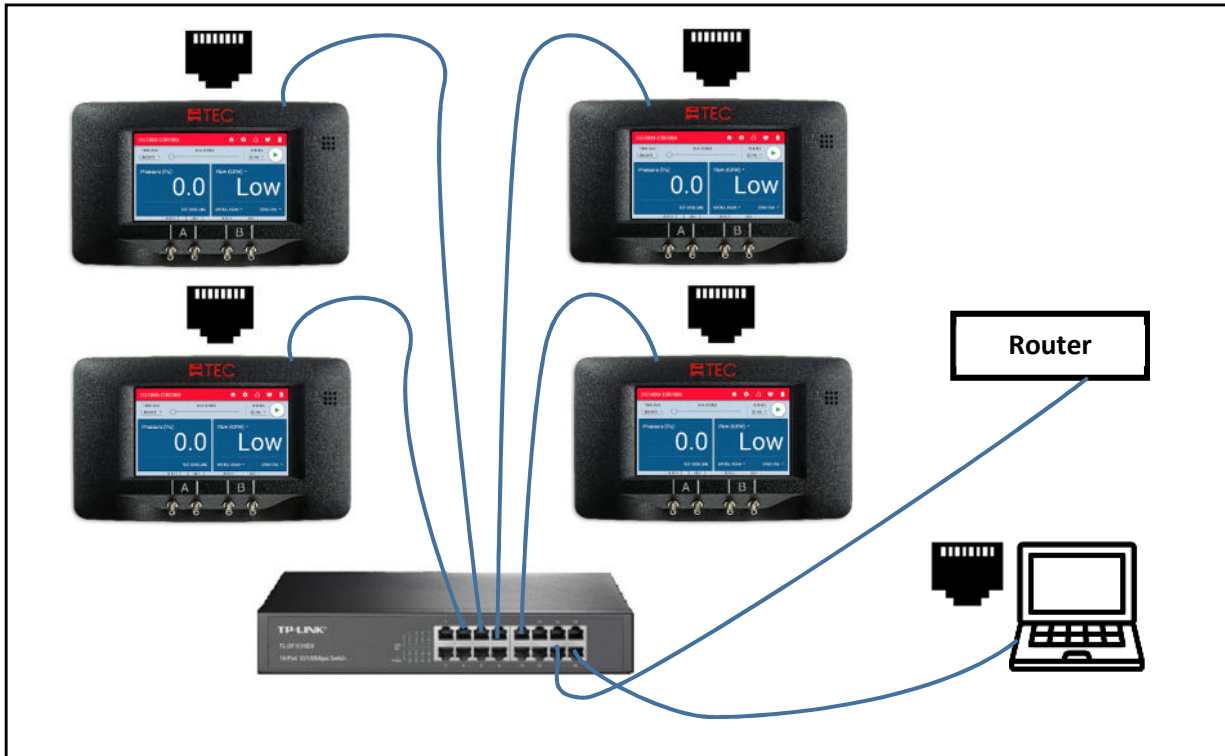
TEC Example 5

Multiple 3 Fan Systems - Automated Testing (4 DG-1000 Gauges – wired Ethernet communication)

Wired Connections:

a)   Set the network configuration for all 4 DG-1000 gauges in the 3 Fan Systems to **Ethernet** 🔌 .

- The 4 DG-1000 gauges are connected to an Ethernet switch.
- The PC and router are also connected to the Ethernet switch. The router is connected using a LAN port on the router.
- Using the **Ethernet** networking option on the DG-1000 requires that a single device in the network is running DHCP server (this is the reason a router is connected to the network).
- Run your TEC software and connect to the gauges.
  - **TECLOG4** (PC only)
- This setup can be expanded for additional Blower Door Systems and DG-1000 gauges.

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TEC Example 6

Multiple 3 Fan Systems - Automated Testing (4 DG-1000 Gauges – Ethernet Bridge communication)

Wired Connections:

a)   Set the network configuration for 1 DG-1000 gauge in each 3 Fan System to **Create Network (***with Ethernet Bridge configuration* enabled**)** .
- Both gauges with *Ethernet Bridge* enabled are connected to an Ethernet switch.
- The PC and router are also connected to the Ethernet switch. The router is connected using a LAN port on the router.
- Using the **Ethernet** networking option on the DG-1000 requires that a single device in the network is running DHCP server (this is the reason a router is connected to the network).

Wireless Connections:

a)   Set the network configuration for the remaining DG-1000 gauge in each 3 Fan System to Join Network .
- Each gauge is joined to the wireless network being broadcast by the other DG-1000 gauge in the 3 Fan System that is set to **Create Network** (*with Ethernet Bridge configuration enabled*).
- Run your TEC software and connect to the gauges.
  - **TECLOG4** (PC only)
- This setup can be expanded for additional Blower Door Systems and DG-1000 gauges.

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