

Introduction

Thank you for purchasing our Flexs Q5. Below we've included a few simple instructions to help you get started with your device.

For the complete manual visit flexscada.com/manuals/flexs-q5



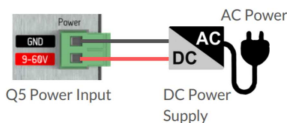
Product Manual

Step 1 - Power the Flexs Q5

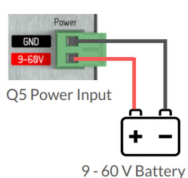
Attach the Q5 to a power source (9 to 60 VDC) using the two-pin power terminal located beside the Ethernet port.

The Q5 can alternatively be powered via passive POE (Power Over Ethernet)

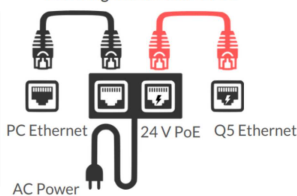
Powering with a DC Power Supply



Powering with a Battery



Powering with a Passive PoE



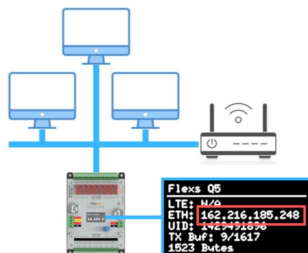
Step 2 - Connect to the Flexs Q5

Once power is connected, the Q5 display will illuminate indicating that the Q5 has successfully booted. The Q5 will then search for a router on the network to get an IP address. If the Q5 fails to find a router within the first minute after bootup, it will fallback to standalone mode. In standalone mode, the Q5 will use the fallback IP (default 192.168.1.20).

Using Chrome, Firefox or Safari enter the device IP in the address bar to load the Q5's web interface. The default password is "flexscada"

IT IS HIGHLY RECOMMENDED TO CHANGE THIS PASSWORD WITH A SECURE PASSWORD TO AVOID UNAUTHORIZED ACCESS TO THE DEVICE.

Network Connected Mode



Connect using the IP assigned by your network. This IP can be found on the Q5 display (highlighted in red above)

Standalone Mode



Connect using the following addresses:
<http://192.168.1.20> OR with IPv6
[http://\[fe80::744\]](http://[fe80::744])

Step 3 - Connect Sensors

Your Flexs Q5 comes pre-configured to measure voltages $\pm 60V$ and you can plug your battery voltage directly into channel 1 to start measuring it.

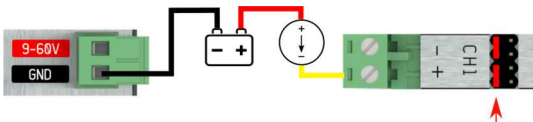
DC Voltage



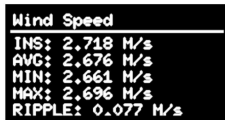
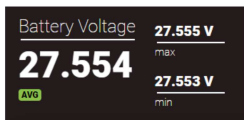
Measuring DC voltage on CH1. Since the ground is shared with the Q5 we can leave the negative input terminal floating

Hint: Measuring voltages above the standard 60V can be accomplished with our high voltage reducer module.

4-20mA Sensors



Measuring a 4-20MA sensor in a powered loop. Notice the jumpers must be changed to configure the input for 4-20MA mode

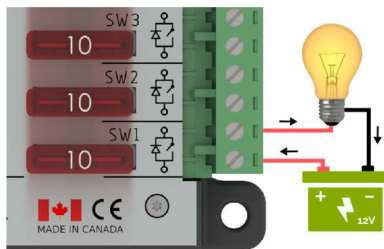
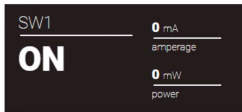


Hint: Pressing the encoder in while viewing an input value shows additional information

Using the Load Switches

The Flexs Q5 features 8 isolated solid-state DC load switches.

Each load switch is rated for a maximum of 10 Amps (*Environmental and voltage de-rating applies, refer to datasheet*)



Hint: The relay state can be changed from the onboard display and web interface

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