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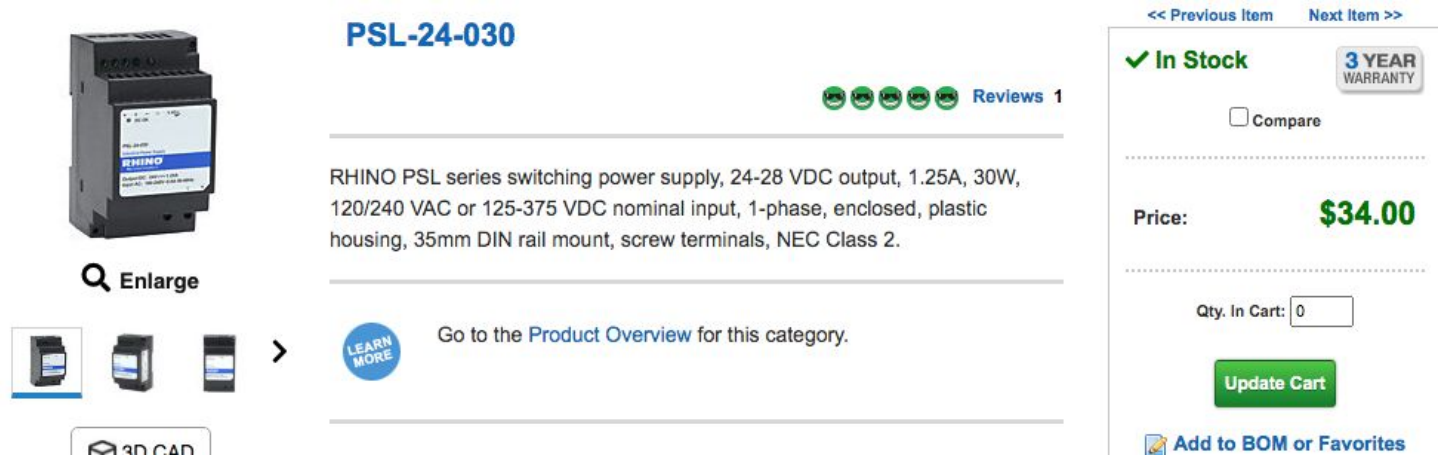
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24 VDC Power Supplies

Most TacticalFlowMeters use 24 VDC Power to comply with OSHA requirements that there shall be no 120 VAC Power in areas with water. There are MANY types of 24 VDC power supplies available and we give you a few of the more common "Industrial" models available. These meters DO NOT work with 24 VAC power supplies that are common in HVAC power systems.

Here are a few links to various power supplies you may want to get:

[https://www.automationdirect.com/adc/shopping/catalog/power_products_\(electrical\)/dc_power_supplies/24vdc._din_rail_mount/psl-24-030](https://www.automationdirect.com/adc/shopping/catalog/power_products_(electrical)/dc_power_supplies/24vdc._din_rail_mount/psl-24-030)



The screenshot shows a product page for the PSL-24-030 power supply. On the left is a large image of the device with an "Enlarge" button. Below it are three smaller images of different models and a "3D CAD" button. The main product title is "PSL-24-030" with a "Reviews 1" indicator. The description reads: "RHINO PSL series switching power supply, 24-28 VDC output, 1.25A, 30W, 120/240 VAC or 125-375 VDC nominal input, 1-phase, enclosed, plastic housing, 35mm DIN rail mount, screw terminals, NEC Class 2." A "LEARN MORE" button is present. On the right, a sidebar shows "In Stock" status, a "3 YEAR WARRANTY" badge, a "Compare" checkbox, the price "\$34.00", a quantity input field set to "0", an "Update Cart" button, and an "Add to BOM or Favorites" button. Navigation arrows for "Previous Item" and "Next Item" are at the top of the sidebar.

[https://www.automationdirect.com/adc/shopping/catalog/power_products_\(electrical\)/dc_power_supplies/5vdc._12vdc._15vdc._24vdc_encapsulated/pse24-115](https://www.automationdirect.com/adc/shopping/catalog/power_products_(electrical)/dc_power_supplies/5vdc._12vdc._15vdc._24vdc_encapsulated/pse24-115)



Q Enlarge



3D CAD

PSE24-115

There are no reviews for this item.
 Be the first to [write a review...](#)

RHINO PSE series switching power supply, 24 VDC output, 0.625A, 15W, 120/240 (47-440 Hz) VAC or 120-370 VDC nominal input, 1-phase, encapsulated, plastic resin and fiberglass housing, panel mount, screw terminals.



Go to the [Product Overview](#) for this category.

<< Previous Item Next Item >>

✓ In Stock

3 YEAR WARRANTY

Compare

Price: \$53.00

Qty. In Cart:

Update Cart

[Add to BOM or Favorites](#)



PSL-24-010

Compare

RHINO PSL series switching power supply, 24 VDC output, 0.42A, 10W, 120/240 VAC or 125-375 VDC nominal input, 1-phase, enclosed, plastic housing, 35mm DIN rail mount, screw terminals, NEC Class 2.

[Specifications](#) | [Docs & Drawings](#) | [More info...](#)

[Add to BOM or Favorites](#)

\$29.50



PSE24-130

Compare

RHINO PSE series switching power supply, 24 VDC output, 1.25A, 30W, 120/240 (47-440 Hz) VAC or 120-370 VDC nominal input, 1-phase, encapsulated, plastic resin and fiberglass housing, panel mount, screw terminals.

[Specifications](#) | [Docs & Drawings](#) | [More info...](#)

[Add to BOM or Favorites](#)

\$77.00

Amazon.Com even has these... Not very industrial but you may recognize these and find you have some in your shop. If you are in a real hurt, and want something for the shop to play with, use [this](#) Amazon link to see the many 24 VDC Power supplies that output at least 500 mA.



ALITOVE 24V 1A 24W DC Power Supply Adapter 100~240V AC to DC 24 Volt 1 Amp Converter 24 vdc 1000mA 800mA 600mA 400mA 200mA with 5.5mm x 2.5mm 2.1mm Plug for LED Strip Light CCTV...

★★★★★ 138

\$10²⁹

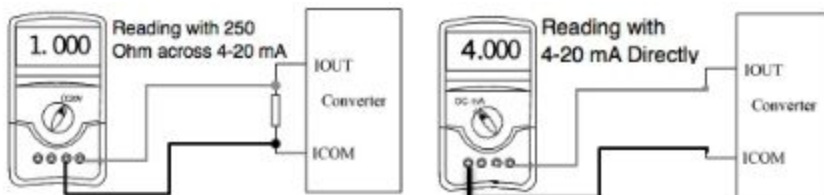
✓prime Get it as soon as Tue, Nov 17
FREE Shipping on orders over \$25 shipped by Amazon

New and used options from \$6.68

4-20 mA Output

Important Note: The 4-20 mA is Self Powered, meaning you do not put 24 VDC into the 4-20 mA. You configure your PLC to read the 4-20 mA like a Fluke Meter does..

Like this:



Example Flange Bolts for 1" ANSI

Follows is information related to finding the right bolt type and length for a 1" ANSI 150# Flange with links to all the flange types.

You have a 1/2" ANSI 150# Flange that you will want to mate with the rest of your system.

Nice chart here.

<https://www.texasflange.com/products/flange-dims-weights/bolt-and-stud-dimensions-asm-b16-5-flanges/>

and here.

<https://www.texasflange.com/wp-content/uploads/2020/04/Printable-Pocket-Bolt-Chart-PNG-Texas-Flange.png>

HOME | FLANGE BOLTING CHART

Flange Bolting Chart

150 LB. Flanges

Nominal Pipe Size	# Bolts or Studs	Dia of Bolts or Studs	Length of Stud	
			1/16 RF	RTJ
1/2	4	0.50	2-1/4	-

Nom. Pipe Size	150 LB. Flanges			
	# of Bolts or Studs	Dia of Bolts or Studs	Length of Stud	
			1/16 RF	RTJ
1/2"	4	0.50	2-1/4	-

Bolts 1/2" -20 is good x 2 1/4"

<https://www.mcmaster.com/92240A439/>

Nuts here..

<https://www.mcmaster.com/91845A145/>

Washers here:

<https://www.mcmaster.com/90107A033/>

McMasterCarr

Flanges here:

<https://www.mcmaster.com/flanges/low-pressure-stainless-steel-unthreaded-pipe-flanges/>

Gaskets here:

<https://www.mcmaster.com/flange-gaskets/water-and-steam-resistant-epdm-pipe-gaskets-with-bolt-holes-7/>

ModBus RTU to USB Adapter:

ALSO.. If you do not have an RS-485 to USB you can get one here.

<https://www.walmart.com/ip/USB-TO-ISOLATED-RS-422-485-WITH-PLUG-TERM-BLACK-AND-LEDS/34942808?wmlspartner=wlp&selectedSellerId=0>

Put switches ALL TO THE RIGHT and A to B and B to A



Of course there are MANY sources you can get this stuff (even Home Depot or your local Plumbing store.. Just tell them 1/2" ANSI Flanges and you need gaskets and bolts and flanges to connect to the rest of the system.