

CENTROID PRODUCTS DETAILED ORDER FORM 2/12/09

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PART 1: CUSTOMER INFORMATION

--We ship by UPS only, and only using our own UPS account number.
 --We normally don't ship outside the US for orders under \$1000. You could give us a US shipping address. Or email mari@centroidproducts.com to see if this policy has changed.
 --We no longer ship to Florida except for resale (tax cert must be faxed). Individuals--use Lauderdale Speedometer (800-951-5123)
 --A typical shipping charge for one sender under 38" by ground in the lower 48 states is \$9. Next Day shipping is \$30 at the very least. If you are sensitive to shipping price, or before sending a check, please **call** for the shipping price. Assume it will take us at least a week to ship.
 --We are only set up for Visa or Mastercard. Or c.o.d, but only if you've already bought from us by c.o.d before.

SHIP TO: phone _____ email: _____

Company&attention, or person's name: _____

Street (no PO boxes; must specify "street" or "road", etc) _____

City, State, Zip _____ Does anyone live at this address? _____ (yes/no. UPS question)

Visa/MC# _____ | _____ | _____ exp _____ name on card incl any initial _____

3-digit security code from back of card _____

Ground shipping ok? _____ (ex: 1 day to Florida, 3 to Missouri, 5 to California). Or 3day, 2day, or \$1day\$

PART 2: ORDER FORMS

See the detailed instructions, below. If you don't want to be stuck with the wrong sender, please don't guess or leave empty blanks. The examples shown are what your entries should look like. Or order by phone through Mary--she'll walk you through the questions.

SENDERS:

Ln	Liq	Len	A/S	Bat	Output/ for gauge	Mount	Options	=Price	X Qty	Total
A										
B										
C										
D										
E										
F										
ex.	GAS	13.5"	A	12V	240/33 3term VDO 301-505	1/2" FL. \$15	LOW ALM, WS \$8, \$3	\$80	1	\$xxx

CompuTank COMPUTERIZED DISPLAYS (optional):

line	MAIN						optional Remote				
	Bat	Inputs	Cal	=price	xqty	Total	Bat.	Ea.	=price	xqty	Total
G											
H											
ex.	24V \$10	5 \$460	2DWG, 2DUP, 1RECT 2x\$120, 2x\$5, 1x\$5	\$725	1	\$xxx	24V \$10	\$250	\$260	1	\$xxx

PART 3: DETAILED INSTRUCTIONS

3A) SENDERS

Liq: gas, dsl, wtr(potable only; we no longer make black/graywater senders)

Len: *For straight probe, 5 hole mount:* top surface to 1/2" or more off the bottom. *For flatted/hex threaded mount:* top of tank's threaded fitting to bottom of tank or higher (fitting provides natural 1/2" offset). *For bent 5 hole mount (sidemount; no threaded sidemounts):* distance from bend to bottom of probe, given 2" from top of tank to opening, to accomodate flange, and at least 1/2" clearance at bottom (the distance from the opening to the bend will be approximately 3"). *In all cases:* if waterscreen is ordered for fuel probe, your length includes 1/2" of non-sensing screen.

Pricing for gauge senders: 3 to 6"=\$50 fuel/\$52 water, 6+ to 12"=\$52/54, 12+ to 24"=\$54/56, 24+ to 36"=\$61, 36+ to 48"=\$69, 48+ to 72"=\$79, 72+ to 96"=\$120, 96+ to 120"=\$136, 120+ to 144"=\$152

A/S: *For FUEL probes with 5-hole mount:* we can use quarter inch tubing (code A) instead of half inch if the probe is 24" or less and either your tank opening is less than 1" diameter or you order a customer-bendable sender. *For all probes:* we prefer you order the needed length. However if you may need to shorten the sender, show code S. Inch lengths in the following ranges can be shortened to the bottom of that range: 3 to 6, 6+ to 12, 12+ to 24, 24+ to 48, 48+ to 96, 96+ to 192.

Bat: Supply voltage for sender; 12V, 24V, or 32V. Other than our 240/33 2-terminal sender, all our senders require a battery-voltage connection in addition to the normal Send and Negative connections of a float sender.

Output/ for gauge: We make the following outputs to match your gauge: 240/33 ohms, 0/90 ohms, 10/180 ohms, 76/6 ohms, 100/6 ohms, 0/30 ohms, 0/5 volts (eg ISIS), 0/4V (eg CompuTank), 4/20 milliamps. We no longer do other unusual ranges unless we've done them before or the order is large--please email or fax to ask. Also, please indicate the *brand and part number of your gauge* so we can see if your listed output seems correct.

Dont have a gauge? Try Livorsi (847-548-5900), whose fuel and water gauges work with our 240/33 ohm 2-term senders. Or use our CompuTank computerized display.

Two-terminal for 240/33 ohms: we can make a 2-terminal sender (no battery connection needed) for 240/33 ohm gauges by the following manufacturers only: Stewart Warner, Teleflex, Datcon, Livorsi (formerly Gaffrig), US Gauge, OMC. Please indicate 240/33-2T for the 2-terminal sender if your 240/33 gauge is by one of the listed manufacturers. The 3-terminal 240/33 will work with any 240/33 ohm sender, except we make a special sender for the Westberg 240/33.

Detectors, controllers: we no longer make these alarm-only devices. If all you need is an alarm(s), choose the 0/5V output.

Mount: Our standard mount is 5-hole, the SAE bolt pattern, with a nylon holder. We also have three NPT-threaded aluminum holders: 3/8" flatted, 1/2" flatted, 1.5" flatted (and for the 0/5V or 0/4V outputs, or detect/high or detect/low *only*, we have 1/2" hex). We no longer use the method of epoxing bushings to the bottom of our nylon holders. The flatted holders can be wrenched with a 2-5/8" wrench opening; the hex with a 1-5/8". Subtract 1/4" from your thread measurement to get its NPT size (eg 3/4" across threads is 1/2" NPT). We dont do the 3/4" NPT, 1" NPT, or 1.25" NPT sizes and longer.

Pricing by mount: 5 hole=\$0, flatted=\$15, hex=\$15

Options:

Fuel water-screens: Water in a fuel tank will bridge between our fuel sender's inner and outer tubes and cause an above-Full reading. If you dont want this warning you can buy a water screen. Specify: WS. **Price:** \$3

Factory bends: Specify BEND XXdeg/YY oclock, where xx is the angle **from straight** (90deg max, single bend). YY is 8:00 if you will drill to match our sender, or is read from our faxed template if you have existing mounting holes. **Price=** \$2

Customer bendable: For FUEL tanks 24" or less, we can make the sender with quarter inch tubing, bendable by the customer. Specify BENDABLE XX", where xx is the inches from head to the intended bend (1/4 of the probe max). The water probes can be bent by the customer easily by heating the tubing. **Price=** \$2

Low/high alarms: Only the 0/5V (0/4V) sender can also have **both** a low and high adjustable alarm output. The other senders can have one or the other. (Notes: 0/5V in hex holder and 4/20ma cant have alarms, and the CompuTank display has built in alarms so the senders for it dont generally want alarms). Indicate HI or LO. **Price=** \$8 per alarm.

Tank shape correction(lcm): Electronics can be added to the sender to correct for odd-shaped tanks. The electronics are designed from your inch/gal tank chart (\$60) or your dimensioned tank drawing (\$120). They also add \$15 to the sender price. (Note: the CompuTank display can have the correction programmed into it, so no LCM is needed for the sender. You wont even need a design charge if you calibrate CompuTank by filling from empty rather than requesting factory calibration). For non-CompuTank senders, specify LCM. **Price=** \$60+\$15, \$120+\$15, or just \$15 for subsequent copies of a sender. Include table or drawing as appropriate.

Damping: Some customers with unbaffled tanks need our electronic damping to keep the reading from bouncing due to tank slosh. This is only true for long, shallow tanks, however, such as the 6-foot tanks in motorhomes. Most users *dont* need damping. Damping only removes short-term changes, not a long-term tilt. (Note that CompuTank has a built-in damping mode so damped senders are not needed). Specify DAMPED. **Price=** \$15.

Isolated ground for fuel: some boat customers request that the tubing of our fuel sender be direct-current-isolated from

the Negative terminal of the sender for corrosion reasons (our water senders and 4/20mA senders are isolated by default). Specify: ISOL. **Price=** \$0

3B) COMPUTANK DISPLAYS

Bat: 12V, 24V, or 32V. 24V or 32V require a \$10 adapter. **Price=** \$0 or \$10

Inputs: the standard configurations are 1-8 inputs (\$460) or 9-16 inputs (\$490, but limited to 13 inputs when a Remote display is used). Specify: number of 0/4V senders connected to the CompuTank. **Price=** \$460 or \$490

Cal: Inputs can be either factory calibrated from a tank drawing (DWG, \$120), factory calibrated from a tank chart (CHI, \$60) duplicates (DUP, \$5) of other calibrated tanks (eg a Starboard tank is often a duplicate of a Port tank), rectangular tanks (RECT, \$5), or user calibrated by filling the tanks and entering tank descriptions (USER, \$0). When factory calibration is desired, *please fill out our factory cal sheet*. **Price=** \$120, \$60, \$5, or \$0, times number of tanks for each

Remote: A Remote Display(s) looks identical to the Main CompuTank, but with no sender inputs. It echoes the characters on the Main screen and has functional buttons. **Price=** \$250