

Flow Computers Chart

	<u>Input</u>	<u>Digital Output</u>	<u>Analog Output</u>	<u>Temp. Compensation</u>	<u>Power</u>	<u>Totals</u>	<u>Curve</u>	<u>MODBUS</u>	<u>Simplified menu</u>	<u>SET4</u>	<u>NOTE</u>
GFC40	OD, W, LS, REED				BATTERY	1			Y		Lowest cost, no outputs, 1 total only, AA or C size battery
GFC101	UNIVERSAL	Open drain. Pulse, batch, alarm, limit	Isolated 4-20 mA		BATTERY	3	Y				AA or C size battery. Pulse output is not isolated, max 480 pulse per minute.
GFC101L	UNIVERSAL	Open drain. Pulse, batch, alarm, limit	Isolated 4-20 mA		BATTERY	3	Y				Same as GFC101 but the software handles better low frequency, down to 1 pulse every 3-4 seconds
GFC101V	UNIVERSAL		Isolated 0 – 5 V		BATTERY	3	Y				AA or C size battery. No digital output.
GFC103	A and B inputs, OD, W, LS, REED				BATTERY	A-B	2		Y		One total = total A – total B. Two curves, for A and for B. AA or C size battery. No outputs
GFC104	UNIVERSAL	Open drain. Pulse, batch, alarm	Isolated 4-20 mA		BATTERY	3	Y		Y	Y	Separate volume units for flow rate and for total. SET4 to set the flow rate at 4 mA on the analog output
GFC110	OD, W, LS, REED	Isolated, no polarity. Pulse, batch, alarm, limit	Isolated 4-20 mA		8 - 36VDC	3	Y				390 ohm resistor in series with the +5V sensor power. For Master Meter opto-coupler (3 wire) flow meters. Pulse output over 500 Hz
GFC110P	OD, W, LS, REED	Isolated, no polarity. Pulse, batch, alarm, limit	Isolated 4-20 mA		8 - 36VDC	3	Y				No resistor on the sensor +5V power
GFC111	UNIVERSAL+	Isolated, no polarity. Pulse, batch, alarm, limit	Isolated 4-20 mA		12-36VDC	3	Y				
GFC111L	UNIVERSAL+	Isolated, no polarity. Pulse, batch, alarm, limit	Isolated 4-20 mA		12-36VDC	3	Y				Same as GFC111 but the software handles better low frequency, down to 1 pulse every 3-4 seconds
GFC111-MB	UNIVERSAL+	Isolated, no polarity. Pulse,	Isolated 4-20 mA		12-36VDC	3	Y	Y			Like GFC111 + RS485 MODBUS RTU

		batch, alarm, limit								
GFC112	UNIVERSAL	Isolated, no polarity. Pulse or alarm			12-36VDC	1	Y			Rate is in Hertz. Remote start/stop of the totalizer.
GFC113	UNIVERSAL+		Isolated fast 0-5V		12-36VDC	1	Y			10 ms response on the analog output. Remote start/stop of the totalizer.
GFC114	UNIVERSAL+	Isolated, no polarity. Pulse or alarm	Isolated 4-20 mA		12-36VDC	3	Y	Y	Y	All three totals are stored in the non-volatile memory. SET4 to set the flow rate at 4 mA on the analog output. Best for Data Industrial 200 series 2 wire flow meters.
GFC200	UNIVERSAL	Isolated, no polarity. Pulse, batch, alarm, limit		G, D	10.5-36VDC	3	Y			None, gasoline or diesel temperature compensation, programmable. Displays temperature in degrees C or F. Requires GTT101-2.
GFC201	UNIVERSAL		0-5V for temperature and 0-5V for flow	G, D	10.5-36VDC	3	Y			None, gasoline or diesel temperature compensation, programmable. Displays temperature in degrees C or F. Requires GTT101-2. Specially designed to work on a 12V car battery
GFC204	UNIVERSAL		Isolated 3 wire 0-5V	G, D	12-36VDC	3	Y			None, gasoline or diesel temperature compensation, programmable. Displays temperature in degrees C or F. Requires GTT101-6.
GFC204-1	UNIVERSAL		Isolated 0-10V	G, D	12-36VDC	0	Y			None, gasoline or diesel temperature compensation, programmable. Displays temperature in degrees C or F. No volume or time units displayed. Requires GTT101-1.
GFC240	4-20 mA, passive, active or loop power	Isolated, no polarity pulse output	Isolated 4-20 mA		8-36VDC	1				Powers the sensor. Linear or square root programmable.
GFC300	Any flow signal	Isolated, no polarity pulse output. Relay	Isolated 4-20 mA, or 0-5V, or 0-10V	T, P	85-264 VAC, or 12VDC, or 24 VDC	2	Y	Y	Y	Dual channel. Up to 6 analog inputs. Powers all sensors. Linear or square root programmable for analog flow input. 30 point calibration curves for the pulse inputs.

OD = open drain, open collector, npn

W = wave

LS = logical signals

REED = reed switch, dry contact

Y = Yes

G, D = Gasoline, Diesel or no compensation programmable

T = temperature compensation

P = pressure compensation

UNIVERSAL = open drain, npn, pnp, waves, logical signals, coils, amplifier built-in

UNIVERSAL+ = plus NAMUR, proximity sensors and Data Industrial 200 series flow meters.

All flow computers store their settings in a non-volatile memory.

All also store the total in a non-volatile memory every 50 seconds.

“C” size battery option available for all battery power devices, only if no power supply board is mounted inside the enclosure.

For Data Industrial 200 series two wire flow meters use GFC114.