

# SureFire Electromagnetic Flow Meter Information

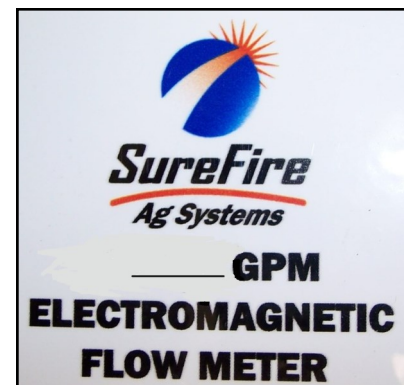
Electromagnetic flowmeters (also known as mag meters) are superior to traditional turbine flowmeters in two basic ways. First, they have no moving parts. This translates into no wear items or potential for contaminants to jam a spinning turbine. The inside of the flowmeter is simply an open tube through which the liquid passes. →



Second, electromagnetic flowmeters use a principle of electromagnetic measurement to output a signal proportional to the liquid flow which goes through it, which makes them independent of viscosity or density of the fluid measured. They are extremely accurate using the standard calibration number.



Flowmeter pictured above has been sold by SureFire since October, 2012. It is the same electromagnetic flowmeter used by SureFire prior to this, but with different calibration numbers. (Click on label above to see Flow Cal Numbers for this flowmeter.)



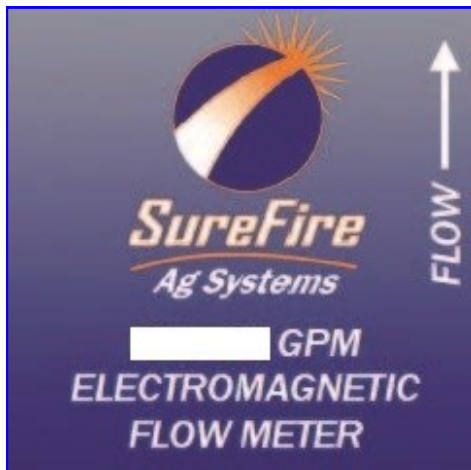
Flowmeter label pictured above was used on flowmeters sold prior to October, 2012. (Click on label above to see Flow Cal Numbers for this flowmeter.)

# SureFire Electromagnetic Flow

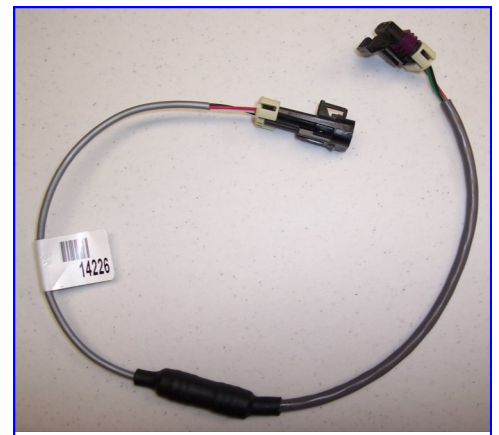
## Meter Information

(beginning October, 2012)

Minimum flow	Maximum flow	John Deere Ag Leader Trimble Topcon DICKEY-john	SureFire Commander II & Micro-Trak Controllers	Raven (needs Adapter Cable P/N 201-14226 (a divide by 8 cable—see picture below)	Standard FPT Size
GPM	GPM	Flow Cal (Pulses/Gal)	Flow Cal	Flow Cal (Pulses/10Gal)	
0.13	2.6	3000	6000	3750	3/4"
0.3	5	3000	6000	3750	3/4"
0.6	13	2000	4000	2500	3/4"
1.3	26	2000	4000	2500	1"
2.6	53	2000	4000	2500	1 1/4"



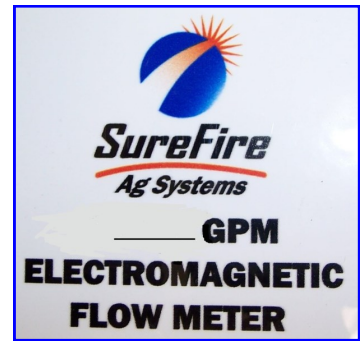
Flow Meters sold beginning October, 2012. Label is white lettering on blue background.



Adapter Cable P/N 201-14226 for Raven w/ divide by 8 module

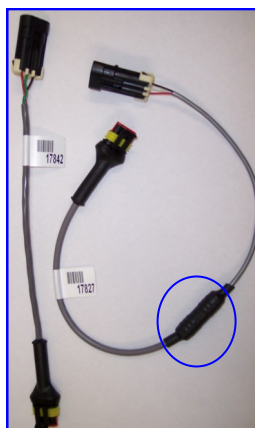
# SureFire Electromagnetic Flowmeter Information

*(prior to October, 2012)*



Minimum flow	Maximum flow	Pulses / Gallon from flow meter	John Deere Ag Leader	Trimble	SureFire Commander and Micro-Trak Controllers
GPM	GPM	Pulses/Gal	Pulses/Gal	Pulses/Gal	Pulses/Gal
0.13	2.6	22710	2839 with divide by 8 harness	22710	5677 with divide by 8 harness
0.3	5	11355	1419 with divide by 8 harness	11355	2839 with divide by 8 harness
0.6	13	4542	4542	4542	1135 with divide by 8 harness
1.3	26	2271	2271	2271	4542
2.6	53	1135	1135	1135	2270

One of these two adapter cables must be used with all SureFire Electromagnetic Flow Meters sold before October, 2012. The standard adapter harness is PN 201-17842.



Where indicated in the chart, the 'Divide by 8' adapter harness MUST be used. It is PN 201-17827. It must be used because the given controller limits the maximum calibration number. The 'Divide by 8' module is circled.