

FloMetrix produces flow meters which are designed for dry flowable materials like seed, grain, and minerals. Our meters actually weigh materials with a real-time flowrate without interrupting the flow.

They are accurate, self-cleaning, compact and can be easily retro-fitted vertically or at an incline into existing pipes, and it does not utilize strike-plates which can damage material.

Sensors can either be installed onto variable or constant streams and measure within 1% of the real weight.



Flow meter model #	Inclined or Vertical	max	LOW Operating Range lbs. / hr. (1)	High Operating Range lbs. / hr. (1)	Adaptable to pipe size Diameter round/ square	Round/ Square	Flow meter Dimensions (WXH) (2)	Flow meter weight Pounds
FM 100	Vertical	6000	2400	5850	4"	Round	10.5" X 18.5"	24.2
FM 600	Vertical	36000	14400	35100	4" and 6"	Round	10.5" X 18.5"	24.2
FM1000	Vertical	60000	24000	58500	6"	Round	15" X 22.25"	49.2
F2000	Vertical	120000	48000	117000	6"	Round	15" X 22.25"	49.2
FM4000	Vertical	240000	96000	234000	8" and 10"	Round	17" X 23.125"	60.2
FM5000	Vertical	300000	120000	292500	10" and 12"	Round	18" X 21"*	-
NV2K	Incline	120000	48000	117000	6" Dia Round	Round	9"x10"12" (Sensor only)	75 (w/Inlet & Outlet)
NV10K	Incline	600000	240000	585000	14" x 14" Square	Square	17"x18"24" (Sensor only)	175 (w/Inlet & Outlet)
NV20K	Incline	1200000	480000	1170000	18" x 18" Square	Square	21"x22:x24"(Sensor only)	225 (w/Inlet & Outlet)

(1) Operating range can measure lower flow rates, but the resulting accuracy level may decrease

(2) Transitions can be provided to accommodate different inlet pipe sizes, but variation of height will be required

**The flow meter PLC controller:**

The compact design of FloMetrix flow meter and touch screen PLC controller allows flexible placement to capture data in pounds or kilograms per minute at the plant operator, or enterprise level. The real-time flowrate data output allows for quick response and more precise control, which takes much of the guesswork out of the conditioning or general handling processes.

Flow Meter PLC Model #	Flow Meter Input Capability (1)	Ethernet Output Signal (Modbus)	Output Option Available	Displays Real-time Flowrate and Cumulative Weights	PLC Box Dimensions (H x W x D)	Power Supply Requirements
PLC	1 to 1	Yes	0-5 Vdc	Yes	15.5"x 13.5"x 6.25"	110AC

1) FM4000, 2000, and 600 can have a flow meter input capability of 3-1 based on how many of the same models are being utilized however it could have an impact on overall accuracy.

Note: flow meter and PLC specifications may change as enhancements to capacity or operational characteristic are incorporated into new systems.