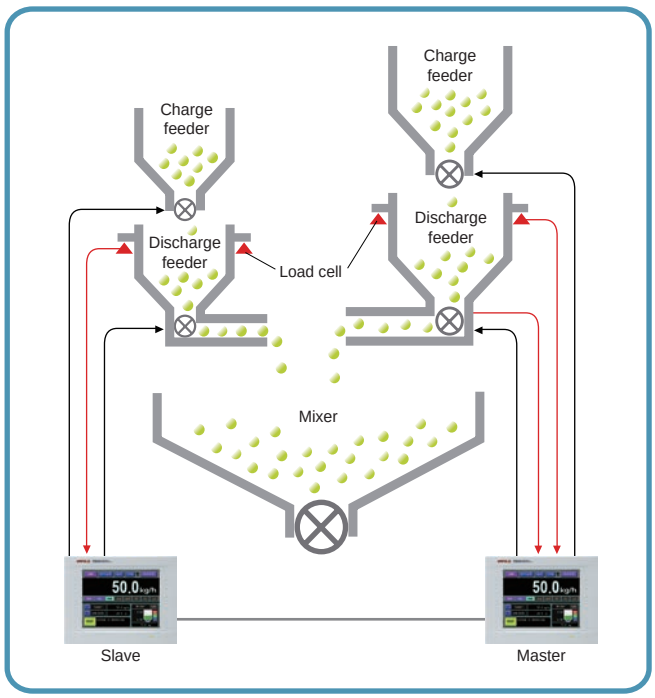
F805AT-CF

F805AT APPLICATION SERIES
CONSTANT FEED WEIGHER

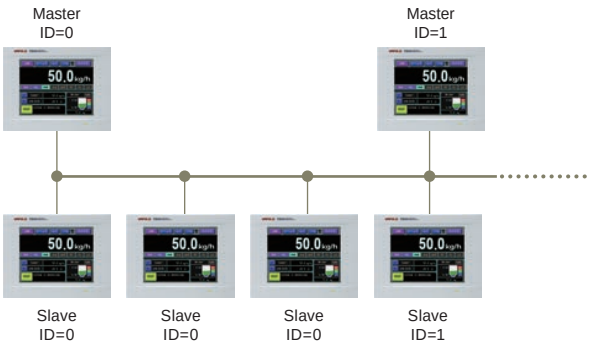
CE RoHS

A weighing indicator developed for weight supply and loss-in-weight.
Automatic control of weight supply (discharge) and replenishment (charging) is performed by calculating flow rate from the discharged weight of material inside of hopper.



Master / slave operation

Other than operating as a single indicator, it can also perform master / slave operation. Slave unit can perform proportionate synchronized operation with the master unit's target value or flow value. This function strongly helps the construction of a continuous feed system. Up to 8 units of master/slave units can be connected in the same network and grouping can be done by setting ID number to each of it.



Control system & interlock during continuous starting

Depending on the condition inside of tank (material quality and density), a certain period of time may be needed to achieve the target flow rate at the onset of operation. For this case, auto calculation of appropriate control weight can be done by performing auto coordinate operation.
With this, the time needed to achieve the target flow rate can be shortened so that a better and stable control can be achieved. Also, when resuming operation after the activation of emergency interlock, operation is resumed from the stabilized control weight just before the emergency. This gives speedy recovery to stable operation.

* Please specify requirement for CE marking certified product when making your order.
* DeviceNet interface is not available.

6 types of sequence modes

Pre-installed with 6 types of sequence modes to provide flexibility to respective applications.
Operation mode can be selected via external signal.

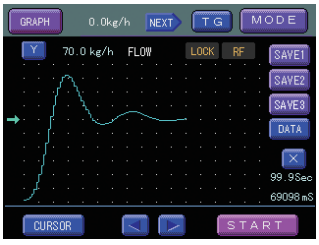
●Continuous operation
Once the operation is started and with the discharge of material, calculation of flow rate data and PID control are performed. Once the weight reaches the fill-in start weight, auto filling will commence. This cycle can be controlled to repeat continuously without having to stop the discharging.

●Batch operation
While batch operation, it repeat specified number of Discharge/Fill batches, then stops operation by reaching lower limit weight value in final batch.

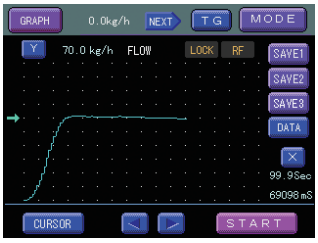
●Fixed operation
In fixed operation, auto filling is not performed. It only carries out discharging work. As control rate can be specified and fixed, this mode is best for test operation.

●Fixed and accumulated operation
Fixed and accumulation and totaling operation.

●Auto coordinate operation
In auto coordination operation, feeder characteristics can be recorded while performing actual operation test. With this, start-up can be smoothly done during operation start.



EX: Operation without auto adjustment



EX: Operation with auto adjustment

●Capacity-controlled operation
A consistent control rate is generated during the capacity-controlled operation.