MODBUS based LINEAR WEIGHER CONTROLLER
High Speed weighing of rice, pulses, cereals etc., with 1 gram accuracy

Linear Weigher Controller - LWC is an ideal choice for weigh-metric applications mainly focused for food industry. It is designed with a high performance 32-bit ARM Microcontroller, Load Cell Amplifier, RS232 & RS485 for MODBUS RTU and application specific Inputs and Outputs. This module controls the vibration feeder directly and achieve the required weight. Hence processing power of PLC is saved. For multi-head machines a significant improvement on accuracy and speed can be easily seen while using LWC module.

Load-cell calibration, Target grams, Coarse, Fine values and speed, Tare, Bucket open/close can be done easily via MODBUS RS485 with 2 wires.

Features
- ✓ Standard 24V operation.
- ✓ Configuration using MODBUS.
- ✓ Can be interfaced easily PLC or HMI using MODBUS.
- ✓ Can control 230Vac Vibratory Feeder, 24Vdc Vibratory Feeder, VFD driven Belt conveyor.
- ✓ Coarse, Fine, Super Fine outputs
- ✓ Tare input can be given using MODBUS or dedicated input pin.
- ✓ Dedicated Output available for Bucket open/close using Pneumatic or Stepper or DC Motor.

Applications
Packaging Machines, Linear Weighing Machines, Bagging machines, Check Weighers.

Configurator tool is available for Module configuration (Baud rate, Slave ID, Stop bits etc.,), Loadcell calibration and testing. This greatly reduces the initial testing efforts and time.