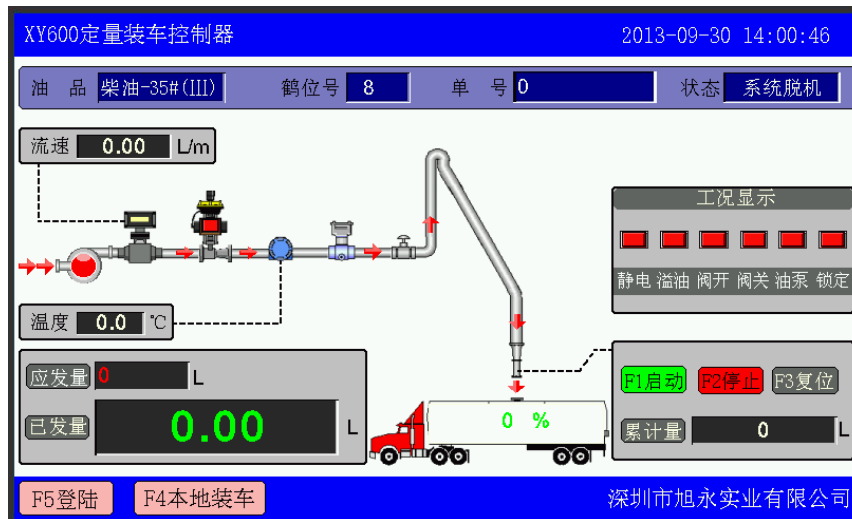## XY600 Explosion-proof batch Controller

With **Siemens S7 PLC** as a master controller，XY600 batch controller is a presetting precision control equipment used in such industries as petroleum, chemical and food, etc. This controller is suitable for the batch control system comprising of a flow meter with pulse output, or a weighbridge with RS485 output, thermometer transmitted under 4-20mA, control valves(including the solenoid valves, multi-section control valves or regulating valves), as well as the oil spillage electrostatic protection device. Utilizing advanced PLC technology, the device provides flexible and easy-to-learn programming methods so that the users may choose options suitable for their needs to form various functions, therefore completing precision **batch loading/filling control** of the materials.

Basic features

✧   Real-time mass/volume, flow, temperature, density and time display

✧   Operating mode: online or offline

✧   Password verification function: including the password of the operators and the password of the system administrator.

✧   Has the function of protection of data upon loss of power and continuing the original working point once the power supply is resumed

✧   Has the interlock control function of protection against electrostatic and oil spillage

✧   Accurate control electromagnetic valves, two-section valves, and regulating valves, etc.

✧   Interlock control function of the pump and valve

✧   Mixing control: control online proportional mixing of the fluids accurately

✧   Temperature compensation function (linear, GB/T1885-1998 or API standard)

✧   Automatic conversion function of mass/volume delivered

✧   Flow coefficient/overshoot setting

✧   Self-diagnosis test

✧   Anti-surge protection

Basic parameters

✧ Explosion-proof class: Exd(ib)ⅡBT6
✧ Display screen: 7"TFT LCD color screen
✧ Supply voltage: AC220V or DC24V
✧ Quantity of oil dispensed: 999999
✧ Operation temperature: N：-20～+60℃   W：-40～+70℃
✧ 2 pulse signal inputs: Vp-p≥2V, frequency≤30KHz，
✧ 14DI: Used for feedback signals of pump and valve, spillage-earthing-proof switch
✧ 10DO: Used for controlling pumps and valves , or other purposes
✧ 2AI: Used for collecting temperature and density, etc. 4-20mA signal
✧ 1AO: Used for controlling transducer and adjusting valve
✧ 2 RS485 bus: Used for communication of a PC or other instruments.

Basic type

✧ XY600A: used for single truck loading/ single filling tube
✧ XY600B: used for double truck loading/ double filling tube
✧ XY600C: used for multiple truck loading system/ multiple filling tube
✧ XY600D: used for online proportion of mixed loading/ automatic filling control device