

Fully Programmable Multi-Function PID Controller

NEW

- ✓ Highly visible color graphic LCD
- ✓ Intuitive touch panel operation

- 72 x 144 mm DIN format standard panel size
- 2 x universal inputs, 4 x analog inputs, 5 x contact or pulse inputs, 1 x high speed pulse input
- 2 x 4-20 mA outputs, 2 x 1-5 V outputs, 6 x contact outputs
- Two loops of PID control
- Advanced computation and sequential control functions
- Automatic PID parameter setting by 'Auto-Tuning' function
- Modbus TCP/IP or RTU communication SC200 SC210
- NestBus (RS-485) peer-to-peer communication SC200 SC210
- Built-in manual loader SC110 SC210



SC Series Controllers



SC100: Basic version SC110: Basic version with manual loader
SC200: Modbus / NestBus SC210: Modbus / NestBus extension version

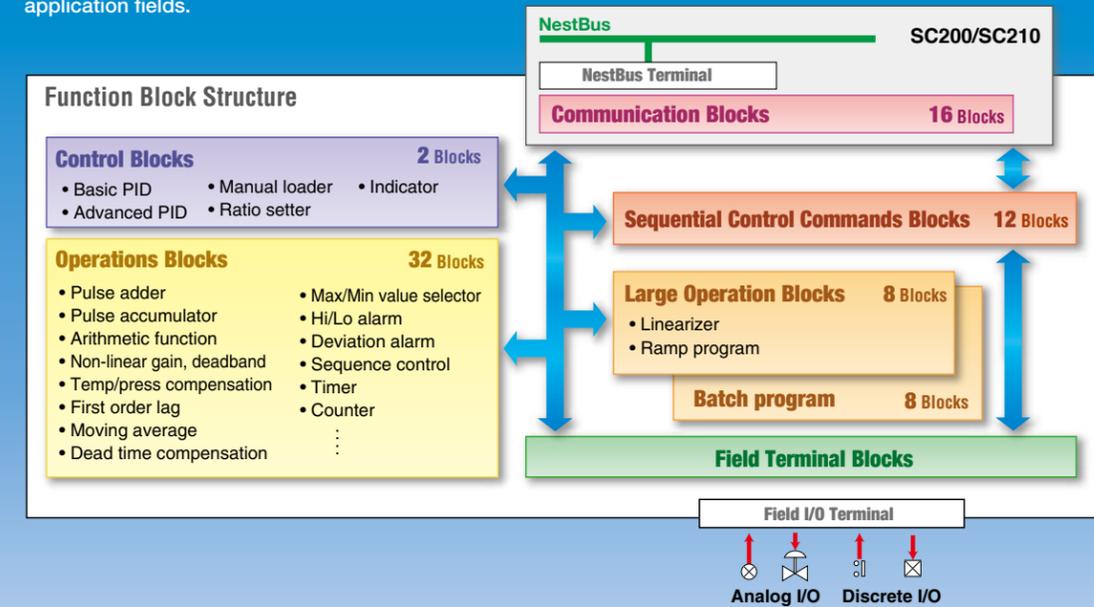
Auxiliary Control Panel Instruments



SD10: 3-channel Bargraph Indicating Alarm SM10: Manual Loader

✓ DCS in Instrument Format – Advanced Computation and Sequential Control Functions

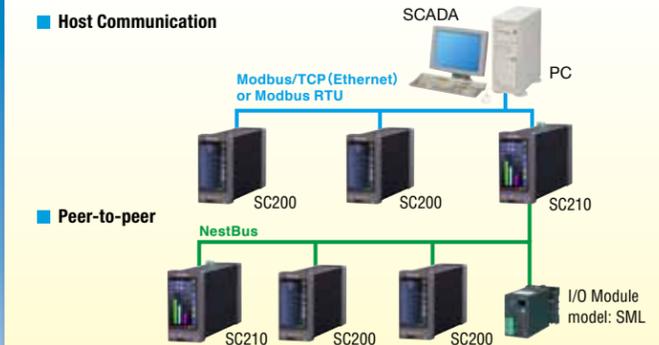
The control and computation functions are achieved by combining a wide variety of basic to advanced function blocks, which are normally found only in DCS systems. 2 PID blocks, 48 computation blocks and 12 sequential control blocks (1068 commands) are available for all versions of the SC Series, applicable to a wide range of application fields.



✓ Excellent Expandability with Peer-to-peer and Host Communication

The SC200/SC210 has Modbus (Ethernet TCP/IP or RS-485 RTU) which enables easy connection to logging or SCADA systems on a host PC for supervising and controlling the local I/O data. In addition, the RS-485 'NestBus' enables peer-to-peer communication with other controllers and I/O devices for flexibility of I/O points.

Expanded System Configuration Example



✓ High Reliability for Demanding Process Use

Control, display and I/O functions are managed by independent CPUs for enhanced security and reliability. The built-in manual loader (option) can be controlled independently even in case of a failure of the main controller module, which can be replaced easily while the backup control is maintained. The loader module can be powered independently from that of the main module for further reliability.

