



Operation

The control and readout of the SD2100 is made very easy, using the SD2210 7" TFT touch screen. From the Main menu there are 5 submenus which give access to the SD2100 and its modules. Standard 3 different languages can be selected: Dutch, English and German.

Communication

The touch screen can be connected to the SD2100 by means of the RS232/RS485 serial port or the Ethernet port.

SD2100 Menu

Depending on the selected User Level, a number of functions are accessible like; selecting the language, setting the various parameters and performing calibrations. Furthermore, the real time clock can be read and the operator has access to the setpoints of the PCL program.

Custom made applications

The touch screen is standard equipped with the Syrinx control software. In consultation, Syrinx can make modifications to put customer logos or other customer specific functionality into the touch screen software.

Weight Information

From the weight menu all the weight information can be read. Standstill, tare present and zero weight indicators are displayed. At the bottom of the screen, a bar graph shows the current load as a percentage of the full-scale weight. It is also possible to perform a tare-in or tare-out command and select gross- or net-weight readout by dedicated touch buttons.

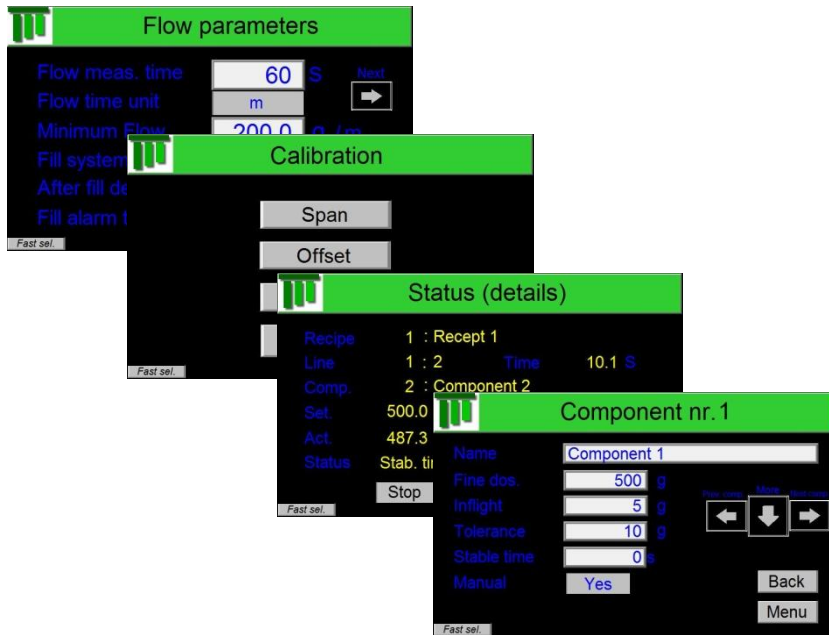
Recipe module

The touch screen provides easy access to display or enter the data of the 200 different components and 100 different recipes of the Recipe module. During production the status information of the actual running recipe can easily be monitored. All component data like; consumption and in-flight correction can be read.

Flow module

All the parameters of the Flow module can be entered via the touch screen. During production the status information of the Flow module can be monitored.





LCD display

Display type	TFT
Size (diagonal)	7 "
Colors	65536
Resolution	800x480
Pixel pitch (HxV)	0.1905x0.0635
Viewing angle (T/B/L/R)	70/50/70/70
Luminance	300 cd/m ²
Backlight type	LED
Backlight lifetime	30.000 hours

Digital

CPU	32bit RISC 400 MHz
Memory	64Mb DDR2
File system	128MB Flash
Real time clock	Built-in

Communicatie

Ethernet TCP/IP	10/100 Mbps
Protocol	Modbus TCP
USB	1.1 / 2.0
Protocol	Host / slave
RS232 or RS485	1200 ... 115200 Bd
Protocol	Modbus RTU

Power supply

Supply voltage	24 ... 28 Vdc
Max consumption	6 W

Temperature range

Storage	-20 ... 70 °C
Operating	0 ... 45 °C

Mechanical

Mounting	Panel mount
Dimensions SD2100	L200 x W146 x H42,5 mm
Protection class	IP65 (front panel)
Connectors	Removable screw terminals
Weight	850 g

Ordering codes

95003000	SD2210 Touchscreen
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