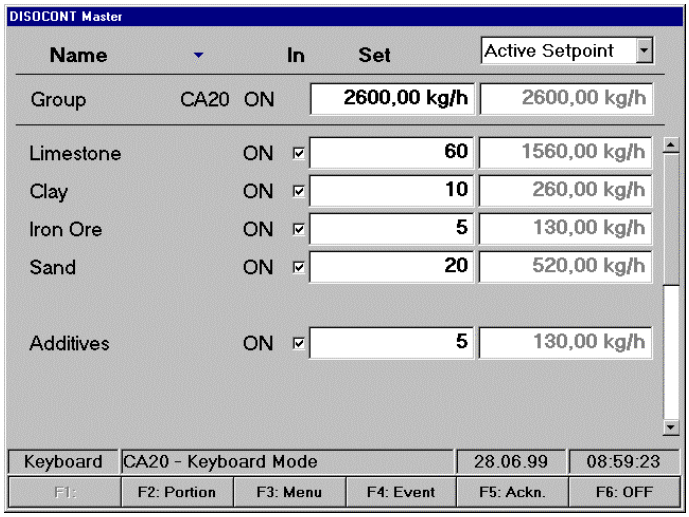
DISOCONT® MASTER TOUCH Group Control



- **Operating and control unit for single scales or groups**
- **Easy operation via touch screen**
- **Integrated group monitoring**
- **Master/Slave control**
- **Closed loop control of groups, ball mill control**
- **Recipe Management**
- **Graphic Trend**
- **PROFIBUS, DeviceNet or MODBUS interface for connection to host system**

Application

Designed for the management of a group of max. 16 continuous DISOCONT feeders, the DISOCONT MASTER group control system is used whenever:

- Multiple feeders are to be controlled and/or monitored from a single workplace
- Feeders are to be percentally involved in a group setpoint
- Feeders are to be controlled by a Master scale
- Processes need to be controlled

Designed for installation in a control room or control cubicle, the system communicates with the scales via a databus so that cabling is reduced

Equipment

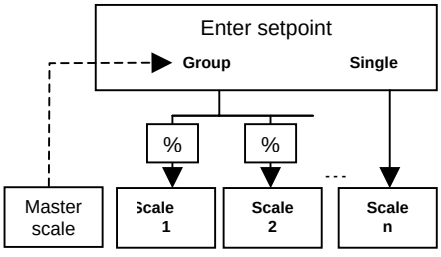
The system can be supplied as:

- Complete unit installed on a panel PC optimized for the particular application
- Complete unit installed on a Process computer in desktop enclosure and separate display

Function

The following configurations are possible:

- Enter group setpoint via keyboard for percental distribution on group scales.
- Have Master scale preset group setpoint for control of group.
- Enter setpoints for single scales operating out of group.



In addition, the following control functions can be performed:

- Preset scale involvement
- Start/stop weighfeeders
- Interlock scale in group
- Reset totalizing counter
- Recipe Management: Load and store group configurations and scale percentages for material change
- Display, analyse, acknowledge events
- Display measurement value trend
- Select measurement values for display
- Select German or English dialog

we make processes work

Options

- Fieldbox IP 66 for panel PC
- Desktop enclosure for the process controller
- Eligible interfaces:
  - PROFIBUS
  - MODBUS
  - DeviceNet
  - Data Highway Plus
- Check bin for multiple continuous feeders
- Flexible closed loop control and combination of signals
- Trend display of historical data
- Data export
- Parallel I/O (binary, analog)
- Further dialog languages
- Flexible membrane keyboard IP 65 in addition to touch screen

Technical Data

Touch-Panel PC

Dimensions h x w x d[mm]	Control panel : 236 x 310 x 130 Cut-out as shown in dimensioned drawing Depth behind front panel: 100
Protected to (IEC60529)	Front: IP 65, or NEMA 4/12 Rear: IP 20
Display	TFT colour VGA 640 x 480 pixles Diagonal 264 mm (=10“)
Keyboard	Analog resistive touch screen Optional: separate flexible membrane keyboard (IP65)
Power supply	110 - 230 VAC 50 or 60 Hz / 25 W
Ambient temperature	5 - 47°C, no moisture condensation 5 - 40°C with use of data recording

Interfaces

Serial	2x RS 422/485 for max. 8 scales (COM3 and COM4) 2x RS 232 (COM1 and COM2; RS 422/485 via optional external converter), COM1 reserved for touch screen 2x USB Ethernet 10/100 RJ45 twisted pair
Parallel	Standard LPT1 port 1x for printer
Standard VGA	External screen
Standard PS/2	1x mouse 1x keyboard

Connector Assignment

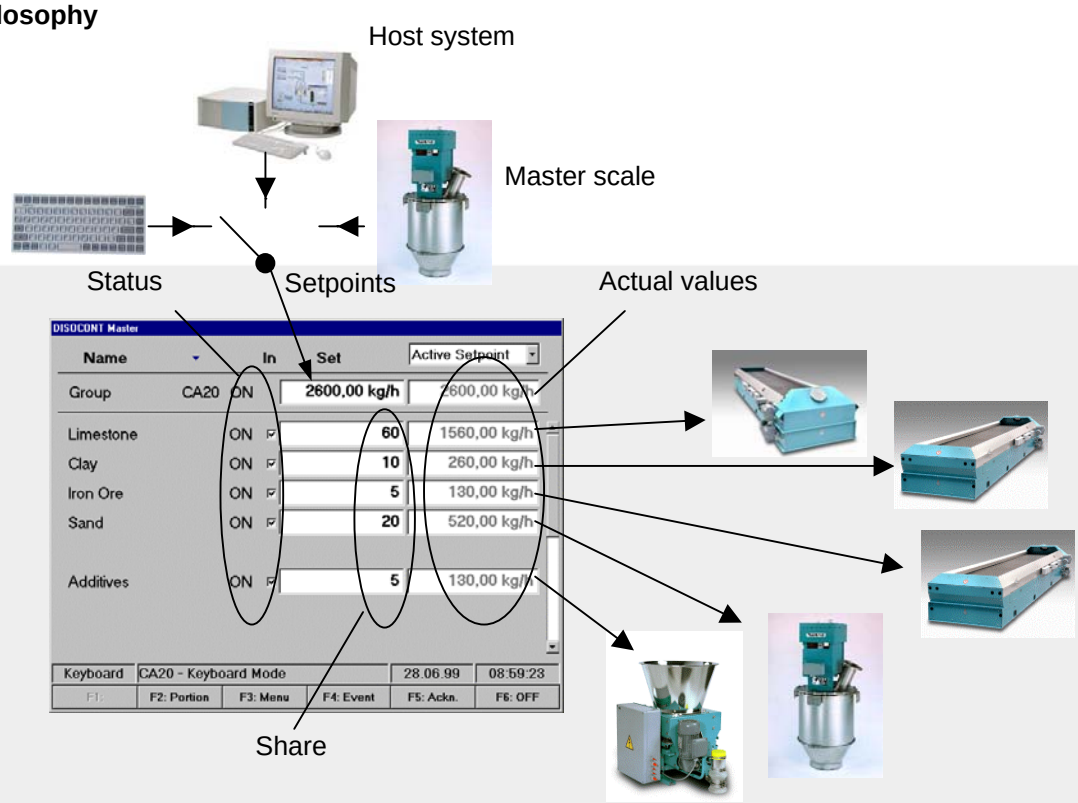
Power supply	
Right	L
Mid	PE
Left	N
RS 422[1)]	
1	TxD-
2	TxD+
3	RxD+
4	RxD-
5	GND
RS 485[1)]	
1	Data -
2	Data +
5	GND

[1)] Interface type is selected on p.c. board.

Fieldbox to Touch-Panel PC

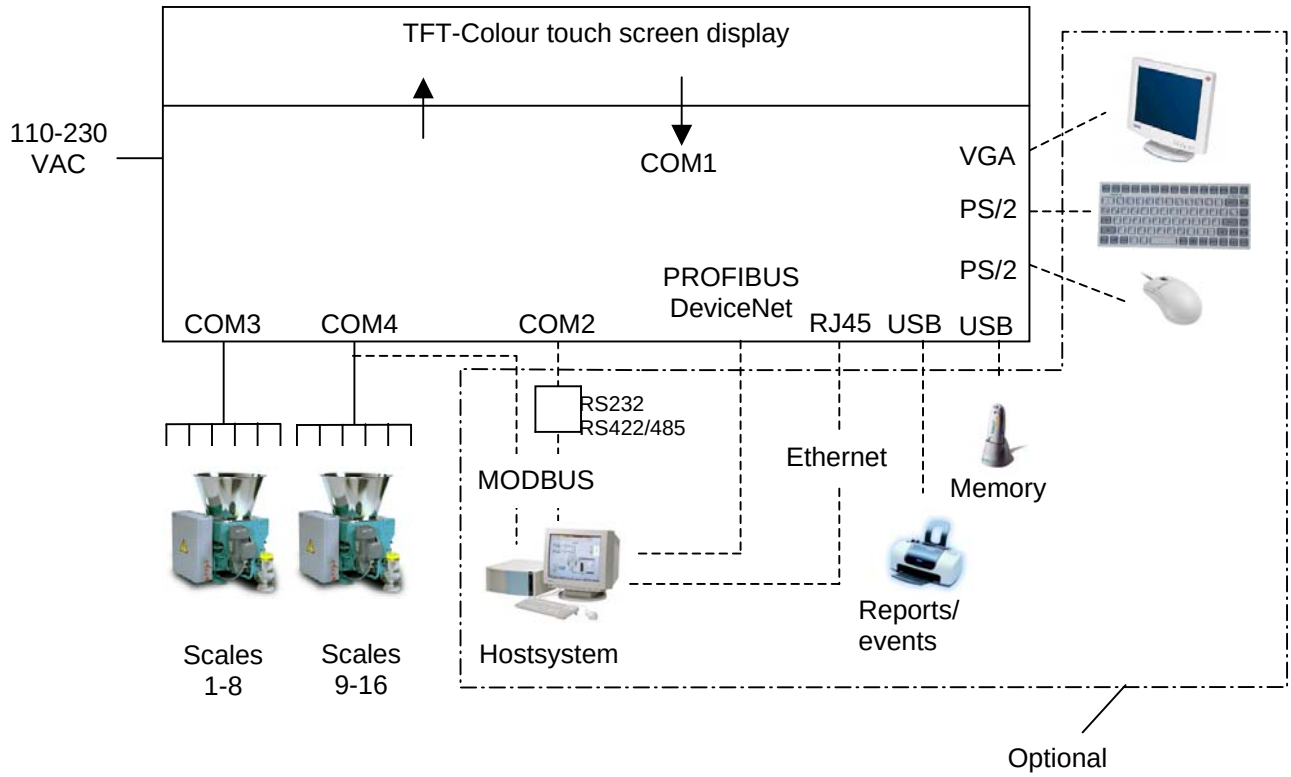
Dimensions w x h x d [mm]	500 x 500 x 210
Protected to	IP 66, NEMA 4/12

Control Philosophy

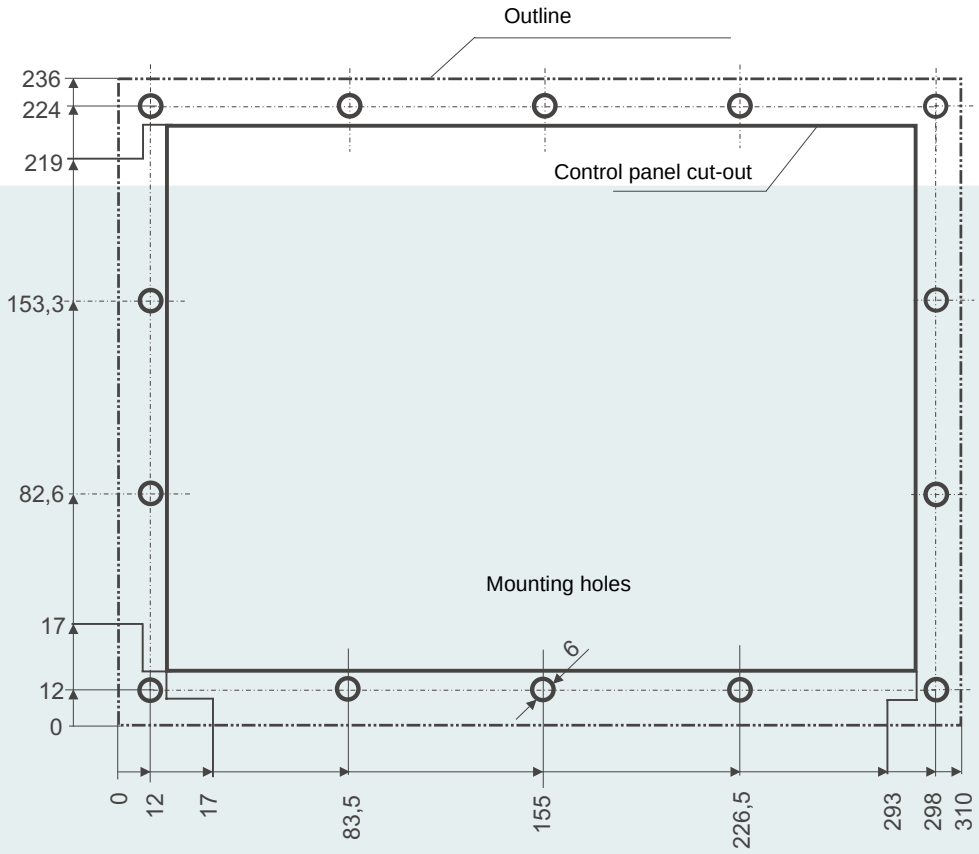


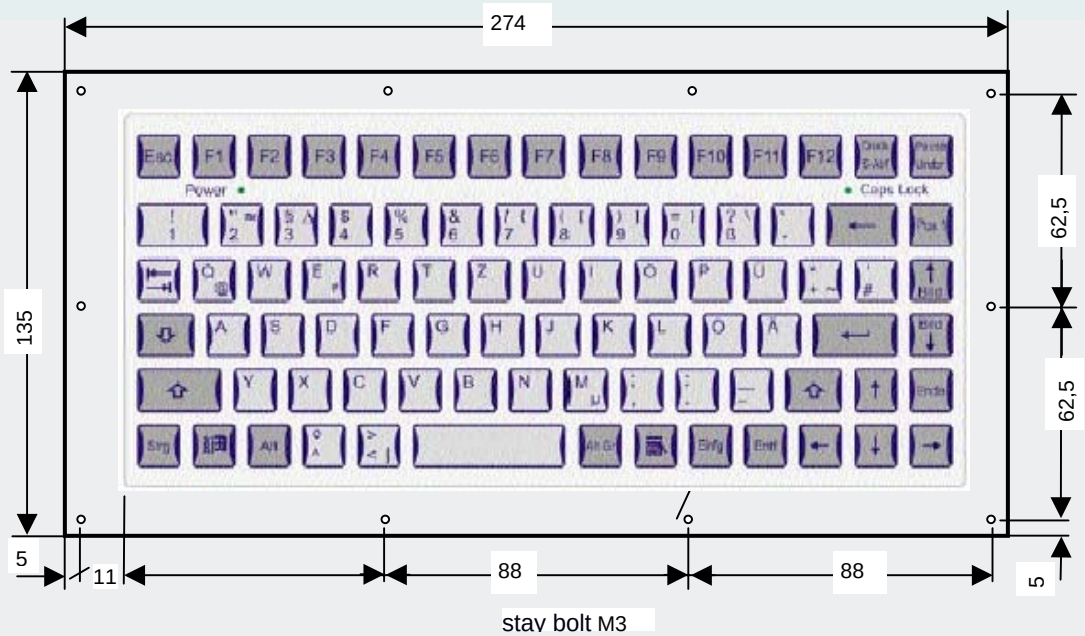
Connectors and Options

Panel-PC



Cut-out Dimensions





Schenck Process GmbH
Pallaswiesenstr. 100
64293 Darmstadt, Germany
T +49 6151 1531-1216
F +49 6151 1531-1172
sales@schenckprocess.com
www.schenckprocess.com

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