

DISOCONT MASTER TOUCH Group Control

DISOCONT Master					
Name	In	Set	Active Setpoint		
Group	CA20 ON	2600,00 kg/h	2600,00 kg/h		
Limestone	ON <input checked="" type="checkbox"/>	60	1560,00 kg/h		
Clay	ON <input checked="" type="checkbox"/>	10	260,00 kg/h		
Iron Ore	ON <input checked="" type="checkbox"/>	5	130,00 kg/h		
Sand	ON <input checked="" type="checkbox"/>	20	520,00 kg/h		
Additives	ON <input checked="" type="checkbox"/>	5	130,00 kg/h		
Keyboard		CA20 - Keyboard Mode		28.06.99	08:59:23
F1:	F2: Portion	F3: Menu	F4: Event	F5: Ackn.	F6: OFF

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

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.

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:

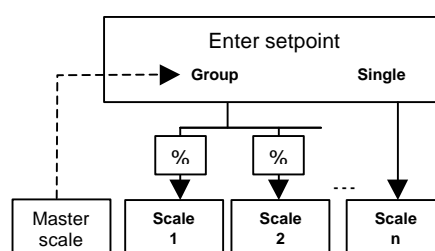
- Complete unit installed on a panel PC optimized for the particular application

- Complete unit installed on a standard PC
- Program on CD-ROM for self-installation on a standard PC under Windows 2000, NT or XP.

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

Batch Recipe Management:

- Load and store group configurations and scale percentages for material change
- Display, analyse, acknowledge and print events
- Display measurement value trend
- Select measurement values for display
- Select German or English dialog

Options

- Fieldbox IP 66 for panel PC
- Eligible interfaces:
 - PROFIBUS
 - MODBUS
 - DeviceNet
 - Data Highway Plus
- Check bin for multiple continuous feeders
- Further dialog languages
- Flexible membrane keyboard IP 65 in addition to touch screen

Technical Data

Touch-Panel PC

Dimensions [mm]	Control panel h x w x d: 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 pixels 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	0 - 45°C, no moisture condensation

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.

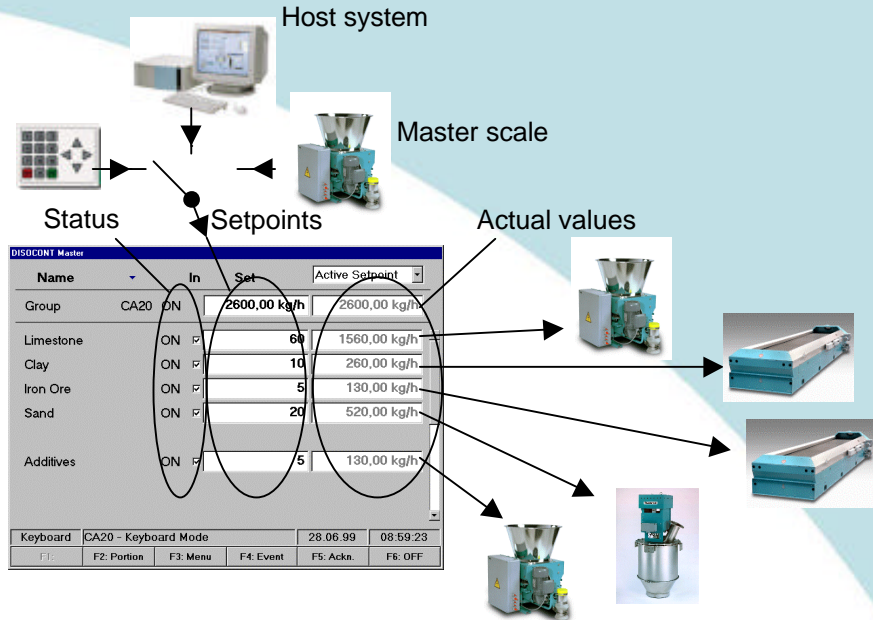
Fieldbox to Touch-Panel PC

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

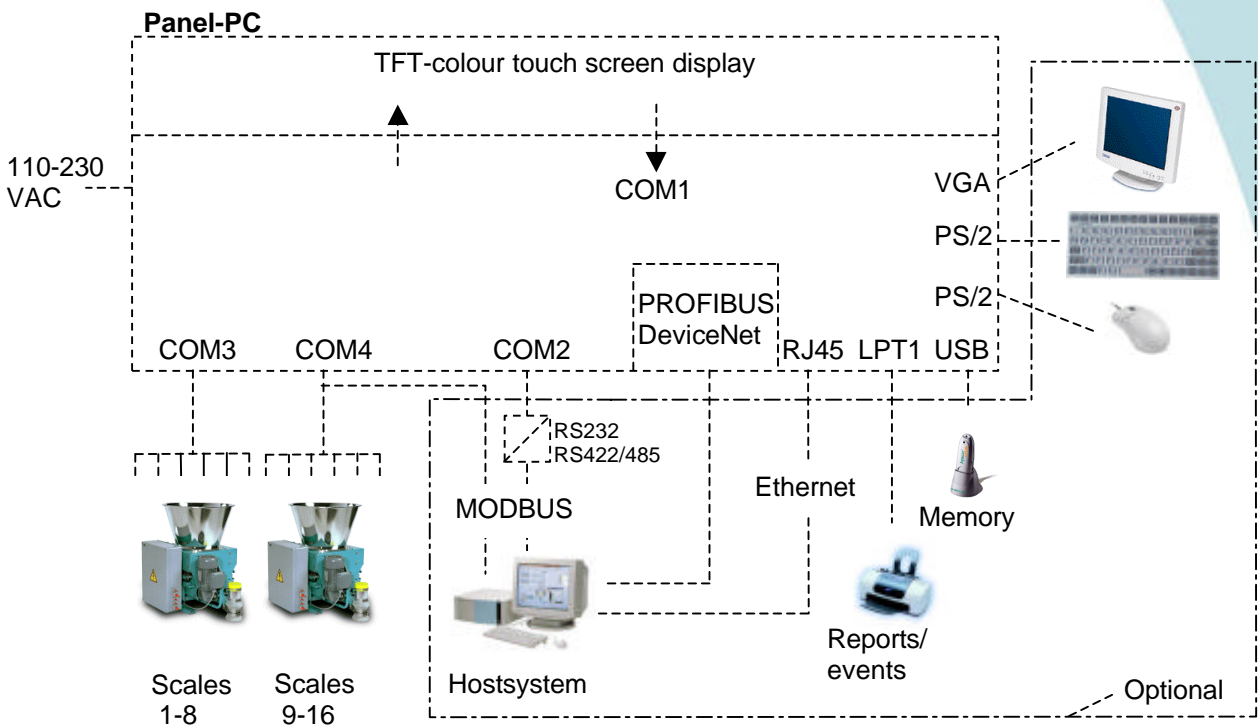
Standard PC Minimum Requirements

Processor	Pentium II
Memory	128 MB
Hard disk	Min. 100 MB free capacity
Operating system	Windows 2000 with service pack SP3 or Windows XP with SP1 or Windows NT with SP6
Interfaces	Min. 2 x RS422, each for max. 8 scales or host system interface
Mouse	Optional
CD-ROM drive	For software loading

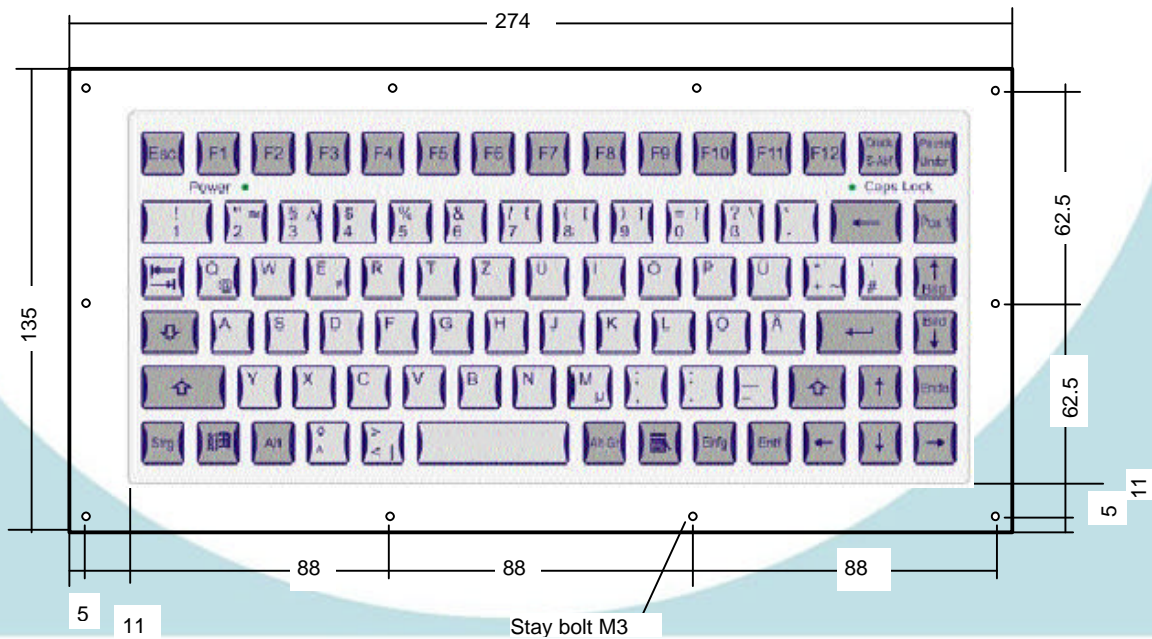
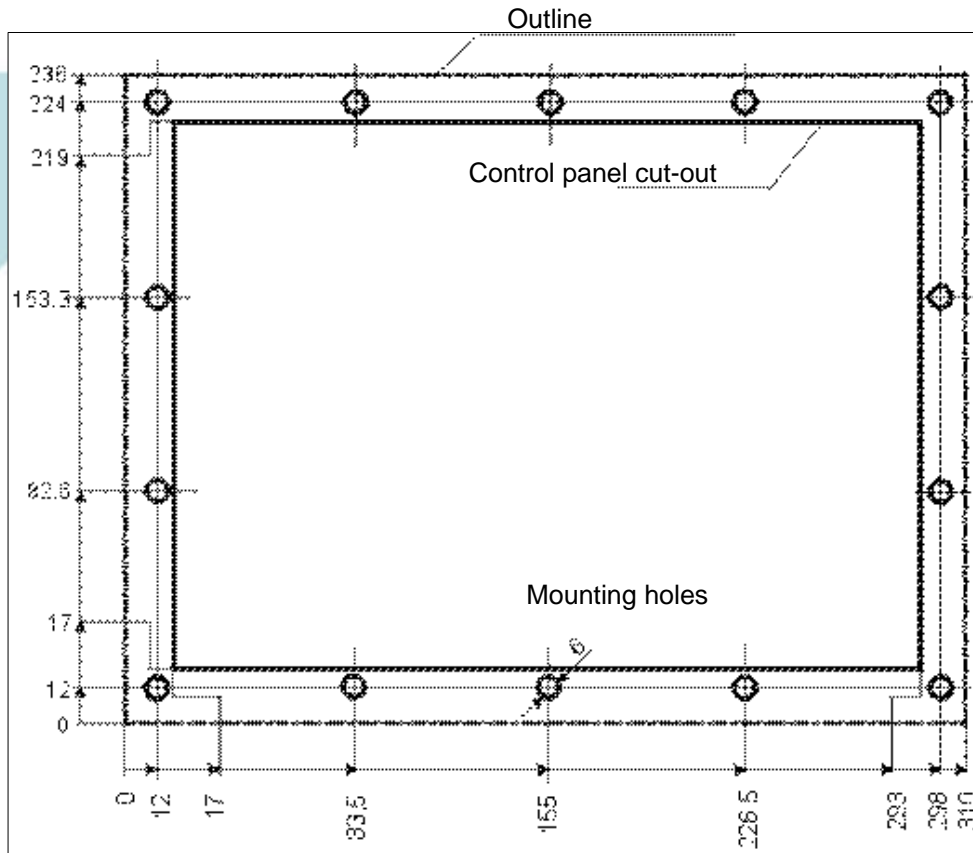
Control Philosophy



Connectors and Options



Cut-out Dimensions



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The **DÜRR** Group

Keep in Motion