



# HILLER

separation & process

## DECANTER CENTRIFUGES & PLANTS FOR SOLIDS-LIQUIDS SEPARATION



### HILLER SEE CONTROL ELECTRONIC CONTROL SYSTEM

**The SEE Control system developed by HILLER sets new standards in the control and automation of decanter centrifuges.** The SEE control puts great emphasis on a fast and reliable, continuous monitoring of the electrical instruments. The touch-based user interface can be operated intuitively and is always clearly legible because of the constantly high contrast even during adverse lighting conditions. Furthermore the user interface can be

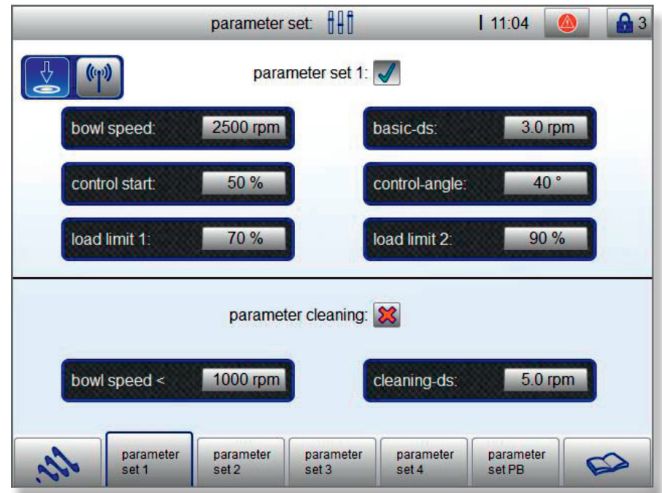
customised to the different user profiles of the customer. Thus the SEE control makes a better communication possible between human and machine.

#### **Simple connection to remote maintenance possible**

Communication to the plant PLC is currently by Profibus. The SEE control can also be easily connected to a remote maintenance module. Remote maintenance offers several advantages to the

customer and quickly pays dividends as well as ensuring maximum plant operational safety. In addition they are a great asset in the early identification of potential plant errors. Due to the quick reaction times for the HILLER service team, costs and time can also be reduced. Furthermore remote monitoring can be done with the remote module. HILLER developed a special platform to store and monitor data over weeks.

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## TECHNICAL DETAILS:

- 7.5"- infrared touch display
- I/O- module adapted to Hiller requirements
- Automatic identification of the drive system via coding
- Control of the complete centrifuge, that means incl. all electrical tools, eg (bearing temperatures, vibration monitors, over speed protection, flushing valve, cooling valve)
- Control of the frequency converters of the bowl and scroll Toshiba VF-PS1 or of the hydraulic power unit
- Control of the proportional valve with analogue aggregate
- Individually programmable torque dependent control mode in 4 parameter sets
- Permanent indication of all important operating data including: bowl speed, differential speed, scroll load, temperatures, vibrations
- Two programmable limit values for the scroll load
- Trend analysis
- Alarm buffer
- Multifunction input

## ADVANTAGES:

- I/O-module as circuit board technology
- Reduced internal wiring
- Less susceptible to high temperatures
- Only 4-20 mA signals for analogue inputs and outputs
- Standard Ethernet cables for the connection between display and module
- Standard and Profibus device on board
- Clear interface centrifuge-plant
- Remote maintenance possible
- Free selection of the superior plant PLC (Siemens, Allan Bradley, etc.)
- Display can be operated with gloves
- Display is made of scratch-resistant safety glass
- One hardware for all drive systems
- Processing speeds 5 times faster than a conventional display

