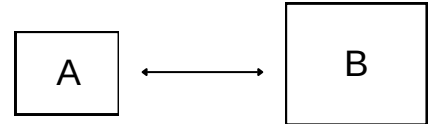


Gravimetric Controller S2

Typical application of S2:

- A. S2 Gravimetric Controller
- B. 15" TFT-LED Touch Screen Display



Description

The Orbetron S2 dosing control system is a computerized closed-loop control for the OSB gravimetric dosing and blending unit. A maximum of 12 dosing units can be controlled in up to 4 lines. Data entry can be made during production by means of a 15" or 12" TFT-LED touch screen on a graphical user interface. Operation is menu-driven and can be password protected.

The control offers a graphical and numerical display of the operation parameters of the entire installation. All changes and alarm messages are time-stamped.

- Orbetron's dosing control systems are completely maintenance-free and designed for 7 days, 24-hour operation
- Orbetron's dosing control systems meet European requirements

Options

- *Potential-free alarm output in the central control*
- *Digital input for each feeder:*
 - *Enable*
 - *Start feeder*
 - *Stop feeder*
 - *Alarm shut down*
- *Digital output for each feeder: refill, alarm, operation report*
- *Two additional freely configurable frequency outputs 0 – 10,000 Hz*
- *Two freely configurable frequency inputs 0 – 10,000 Hz*
- *Plug-and-play replacement for Colortronic Graviblends and GB+*



Design

- 15" TFT-LED Touch Screen Display
- Optional: 12" TFT-LED Touch Screen Display
- Data saved on SSD (solid-state disk)
- Real-time clock
- A maximum of 12 dosing stations and max. 4 lines can be controlled
- Type of protection of 15" TFT-LED Touch Screen Display: IP 54
- Permissible operating temperature of 15" TFT-LED Touch Screen Display: 0°C to +50°C Relative humidity: 90 %, non-condensing
- 1. Permissible storage temperature of 15" TFTLED Touch Screen Display: -25°to +70°C
- The operating temperature of the S2 dosing control permitted to 0°C to +40°C Relative humidity: 90%, non-condensing
- The permissible storage temperature of S2 dosing control: -25 to +70°C
- Operating voltage: 24 VDC +/- 10 % (55 W)
- Graphic display of all inputs/outputs
- Trend display desired/actual for dosing units

S2 Configuration

<p>System</p> <ul style="list-style-type: none"> • CPU: Intel Celeron quad core J1900 2.0 GHz • Chipset: Intel Bay trail • FSB: 1333 MHz • Graphics: Intel Gen7 graphics DX 11 • Memory type: 1x DDR3L sodimm 1600 MHz (up to 8 GB) • Audio: Realtek ALC888S HD audio • Ethernet: 2x Realtek 8111G-CC gigabit ethernet 	<p>Input / Output Connections</p> <ul style="list-style-type: none"> • Serial ports: 3x RS-232; 1x RS - 232/422/455 ports • USB ports: 3x USB 2.0; 2x USB 3.0; 1x USB 2.0 [frontal] • Audio: 1x audio jack: LINE OUT • Video output: 1x VGA [female]; 1x HDMI connectors • Ethernet: 2x RJ45 ports • Power connection: 24 VDC terminal block (1x 3-pins), 110- 230 VAC standard cable
<p>Display</p> <ul style="list-style-type: none"> • TFT type: 15" color TFT LCD with LED inverter • Resolution: 1024x768 pixel • Brightness: 300 cd/m² (typical) • Contrast ratio: 600:1 (typical) • View angle: -85~85 (H); 85~85 (V) • Max colors: 16.7 Millions • Touch Type: five wires resistive 	<p>Generic Specifications</p> <ul style="list-style-type: none"> • Dimension: 390x315x70 mm (L x H x W) • Weight: 5 Kg • Materials: anodized aluminum (parel): galvanized (case) • Cooling type: fanless • Protection grade: IP 66 (frontal) • Mounting type: panel mount with retaining clips • Operating temperature: 0°C - + 50°C (80% humidity, no condensing)
<p>Supported Operating Systems</p> <p>Windows 10 Enterprise LTSB 2016 [32 / 64 bit]</p>	<p>Power Specifications</p> <ul style="list-style-type: none"> • Rated input voltage: 24 VDC: 110-230 VAC • Input voltage limit: 9.....36 VDC: 90.....264 VAC • Power consumption: 23 W (typical consumption)