

- A Hopper
- B Weighing system
- C Motor Drive Unit
- D SCM2-S
- E SCM Display
- Communication to Host system



Each HASLER dispenser is composed of A, B, C, D and E subsets.
This technical data sheet describes the D subset.m

SCM2 STATIC can be used with any HASLER Batching System.

SCM2-STATIC

The **SCM2-S (Smart Control Module)** is a single controller grouping together weighing and proportioning functions in batch processes.

- **Precabing module** for a fast installation.
- Potential use of **standard components for I/O modules**
- Connection between additional feeders and the operator interface via **network Lon Bus**.

Easy Maintenance

- Entirely removable steel frame
- AUXBOARD + CPU steel framed and strippable
- Immediate visualisation of the I/O and other module functions
- DB type connectors

... and diagnostics

Detailed alarm information via SCM Display (SDU)



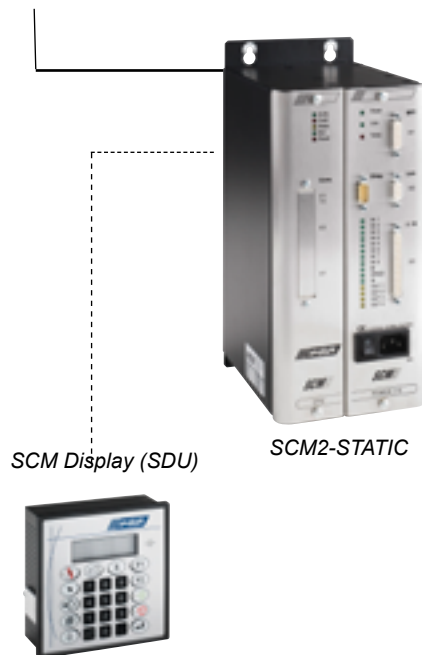
Batching :
Accumulative : 6 products
Subtractive : Mono-product

Precabing Module



Configuration and maintenance software allowing

- Read & Write of parameters
- Configure remote Inputs / Outputs
- Diagnostics (data acquisition, trend graphic recorder, etc.)
- Remote maintenance



Digital sensors

Connecting analog load cells 4 or 6 son via digital converter (over 65.000 points).
Digital load-cell (1 million points) i.e. SFT.

In any case, fast weight acquisition and adjustable digital filter allows to compensate structural vibrations.



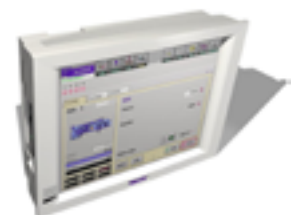
Analog load-cell



Digital load cell

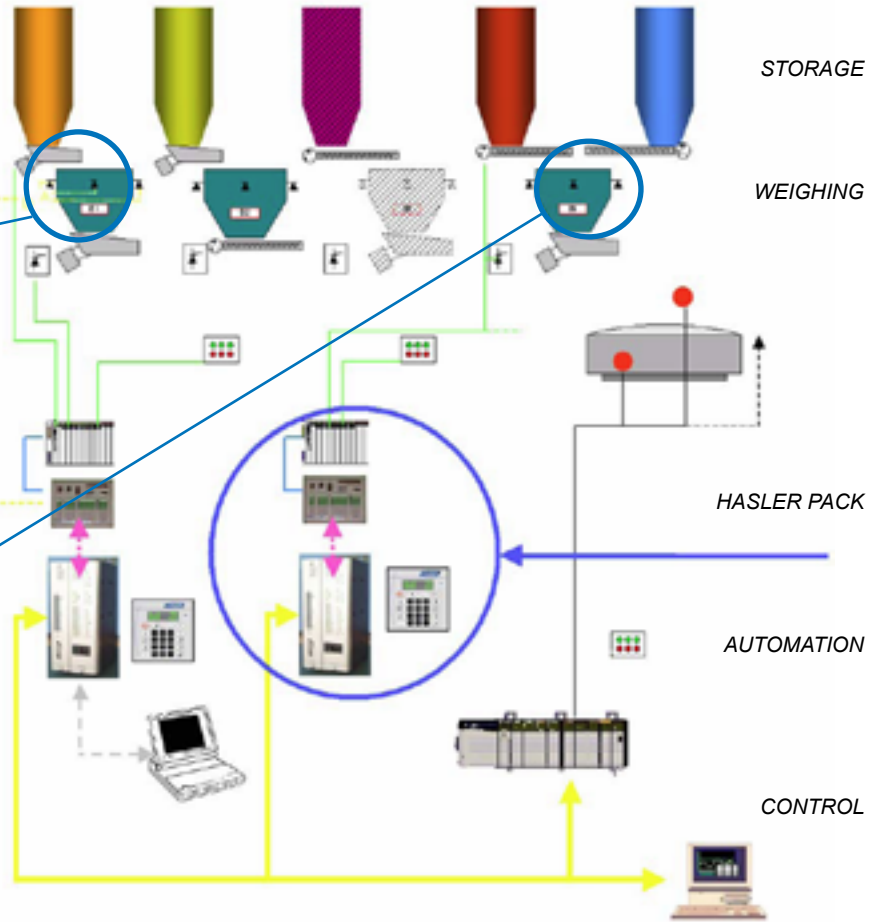
Communication with the Host Sytem

- Modbus TCP (*Ethernet*)
- Modbus RTU (*RS422*)
- Allen Bradley Data Highway (*RS422*)
- Siemens 3964R (*RS422*)
- Profibus DP (*RS485*)
- Device-Net
- Modbus Plus



SCM2-S
Technical Sheet

System Architecture



Subtractive

- ◆ Mono-product dosing during discharge
- ◆ Delayed start
- ◆ Dosing regulation
- ◆ Management of actuator mechanism for filling and discharge

Accumulative

- ◆ Several products during discharge
- ◆ In flight error auto-adjustment
- ◆ Differential tolerance
- ◆ High speed in-flight error taken into account

Technical data

Power requirements

Supply voltage	115VAC +/-10% or 230 VAC +/-10%
Supply frequency	47 – 63 Hz
Max. Power Consumption	50 W
Switch-On Current	Max. 2A for 2AC for 1 or 2 power cycles

Dedicated Inputs / Outputs

Digital Inputs (standard) (i.e., 24VDC...)	8
Digital Outputs	4
Digital Inputs for speed and index acquisition	3
Analog Input	1
Analog Output	1

Environmental ratings

Area Classification	General Purpose
Operating Ambient Temp.	-20°C to 60°C
Storage Ambient Temp	-25°C to 70°C
Operating Altitude	<3000m
Max. Humidity	95% at 25°C without condensation (DIN 4004to 0 Class F)
Degree of Protection	IP30

Remote Inputs / Outputs

Digital Inputs	5 – 24 – 48 VDC / 24 – 120 –230 VAC
Digital Outputs	5 – 24 VDC / 230 VAC / Relay SPST-DPDT
Analog Inputs / Outputs	0 - 20 mA / 4 - 20 mA / 0 – 10 V

Dimensions of SCM2-S

Height	315 mm
Width	134 mm
Depth	201,5 mm
Depth with connect.	260 mm

Dimensions of SCM Display (SDU)

Height	144 mm
Width	144 mm
Depth	60 mm

Certification



Electrical Standards

General electrical emissions :	EN50081-2
General Electrical Immunity :	EN50082-2
Electrical safety :	EN61010-1

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