

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

Each HASLER weigh feeder consists of the components A, B, C, D and E.

This technical data sheet describes component D

The SCM2 STATIC can be used for any HASLER Batching System

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

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

Easy Maintenance

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

... and diagnostics

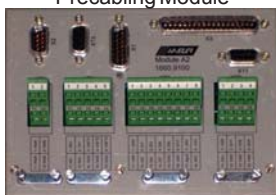
Detailed alarms information via SCM Display (SDU)



Configuration and maintenance software allowing :

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

Precabling Module



SCM2-S



SCM Display (SDU)



Cell connections :

Analogue strain-gauge load cell (through converter) in 4 or 6 wires (up to 65 000 points resolution)

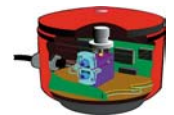
or

Digital load-cell (1 million points) i.e. SFT.

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



Analog load cells

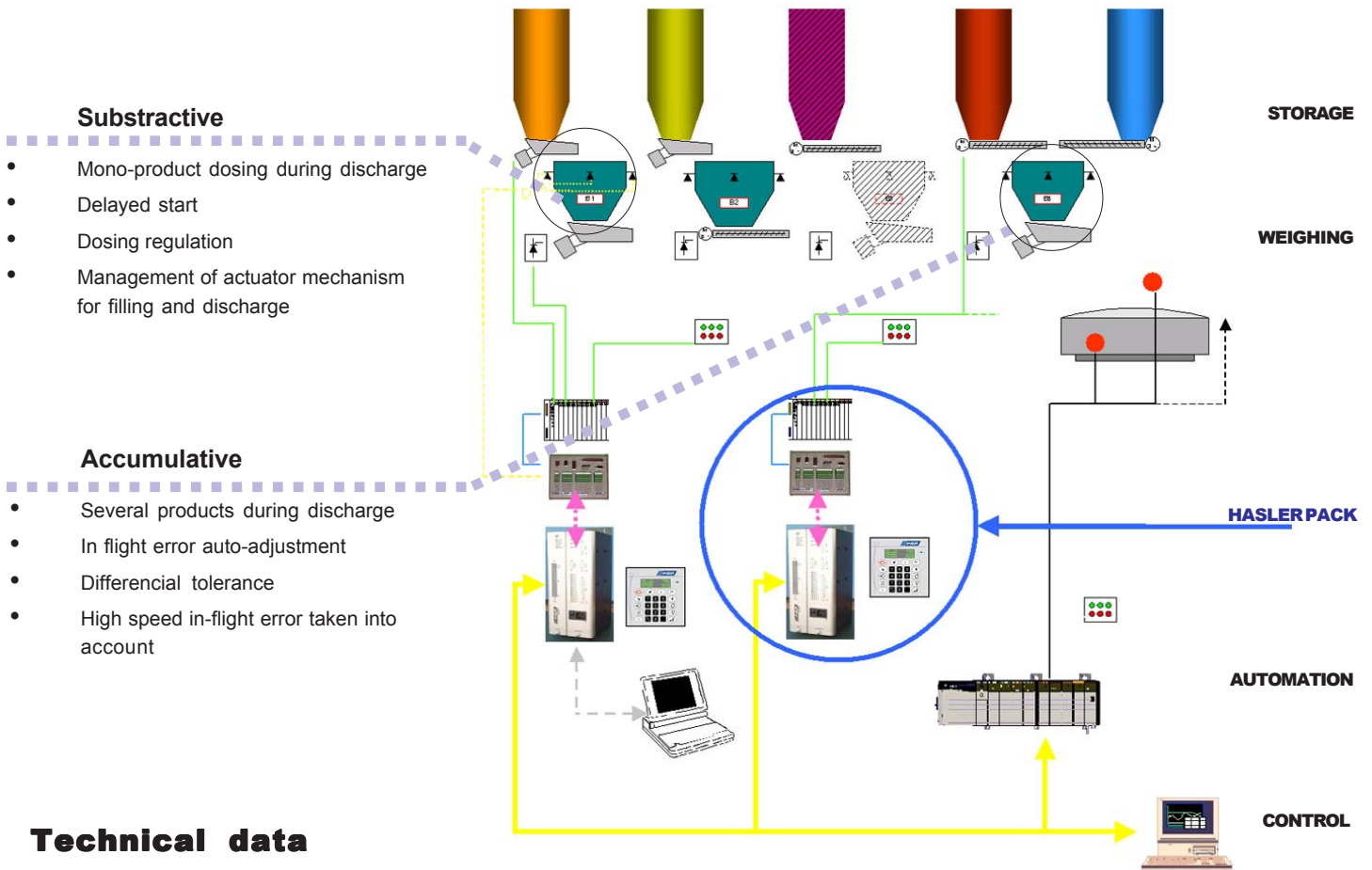


Digital load cell

Communication with Host Sytem

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



S Y S T E M A R C H I T E C T U R E

Technical data
Power requirements

Supply voltage	115VAC +/-10% or 230 VAC +/-10%	Digital Inputs (standard) (i.e., 24VDC...)	8
Supply frequency	47 – 63 Hz	Digital Outputs	4
Max. Power Consumption	50 W	Digital Inputs for speed and index acquisition	3
Switch-On Current	Max. 2A for 2AC for 1 or 2 power cycles	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 the SCM Display (SDU)

Height	144 mm
Width	144 mm
Depth	60 mm

Electrical Standards

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

HASLER International SA
Z.I. de L'Abbaye
38780 Pont-Evêque
France
Tel. +33 (0)4 74 16 11 50
Fax +33 (0)4 74 16 11 55
E-mail : sales.fr@hasler-int.com

HASLER Deutschland GmbH
Münsterstrasse 69
D-49525 Lengerich
Germany
Tel. +49 (0)5481 805-0
Fax +49 (0)5481 805-110
E-mail : sales.de@hasler-int.com

HASLER Suisse Sàrl
Rue du Puits-Godet 10a
CH-2000 Neuchâtel
Switzerland
Tel. +41 (0)32 720 23 00
Fax +41 (0)32 720 23 90
E-mail : sales.ch@hasler-int.com

**HASLER Industrial Equipmt
Shanghai Co. Ltd**
541 Deli Road - Malu Tow
Jiading District
CH - 201801 Shanghai
P.R. China
Tel. +86 21 5910 6058
Fax +86 21 5910 5300
E-mail : sales.cn@hasler-int.com