SWAN Analytische Instrumente AG
CH-8340 Hinwil/Switzerland
Tel. +41 44 943 63 00
swan@swan.ch · www.swan.ch

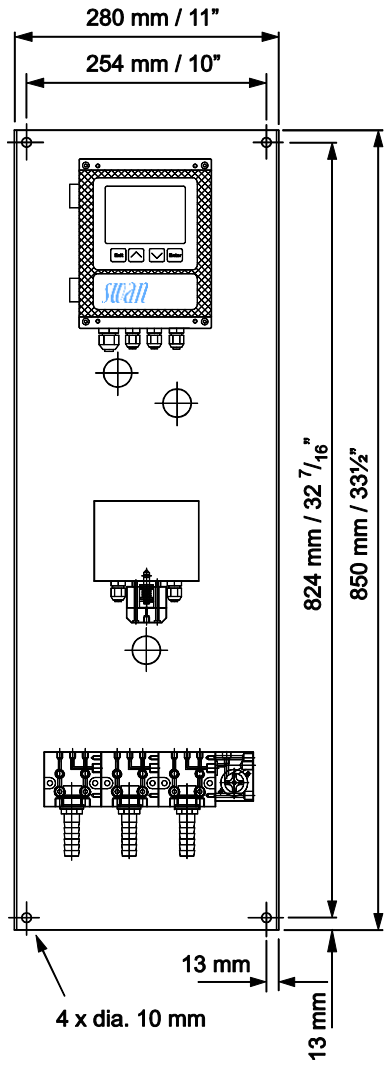
Sample Sequencer

Data sheet no. DenA8261x060

Complete system for the automatic, continuous multiplexing of up to six sample streams to 1 process analyzer.

Sample Sequencer

- Complete system including control electronics, back pressure regulator and needle-valve for each stream, 6-way valve switching up to 6 sample streams to one analyzer, flow measurement.
- 6 signal outputs for indication of the current position of the 6-way valve.
- 1 signal output for flow alarm.
- 6 signal inputs to override programmed sequence by deactivating a certain sample stream.
- 6 current outputs (0/4 to 20mA) for measurement values.
- 6 sample inlets each equipped with back pressure regulator and needle valve. Overflow to one of the 3 sample outlets (Drain).
- Digital sample flow meter.
- Power supply: either as AC or DC available.
- Alarm display and activation of alarm relay when user defined, critical limits for a measurement value (only flow) are reached.
- Large back-lit LCD display showing measured values (only flow) and status information simultaneously.
- Factory tested, ready for installation and operation.



For use with :

- AMI Sodium A, AMI Sodium P
- AMI Silica (requires FW 4.70 or higher)
- AMI Silitrace
- AMI Phosphate HL

Order Nr.	Sample Sequencer; AC	A–82.611.060
	Sample Sequencer; DC	A–82.612.060

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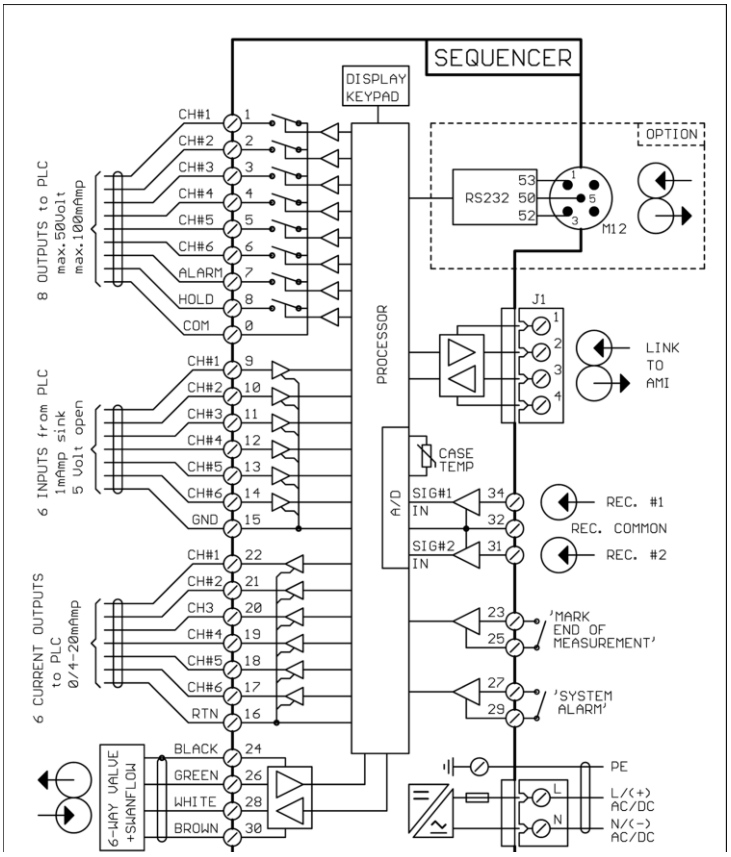
Electrical Connection Scheme



Transmitter Specifications and Functionality

Electronics case:	Aluminum
Protection degree:	IP 66 / NEMA 4X
Display:	backlit LCD, 75 x 45 mm
Electrical connectors:	screw clamps
Ambient temperature:	-10 to +50 °C
Limit range of operation:	-25 to +65 °C
Storage and transport:	-30 to +85 °C
Humidity:	10 to 90 % relative, non condensing

Power supply
Either as AC or as DC model available.

Voltage:	100 - 240 VAC (± 10 %), 50/60 Hz (± 5 %) or 24 VDC (± 10 %)
Power consumption:	max. 8 VA

Operation
Easy operation based on separate menus for “Messages”, “Diagnostics”, “Maintenance” and “Installation”.
User menus in English, German, French and Spanish
Separate, menu specific password protection.
Display of process value, alarm status, channel status and time during operation.
Storage of event log, and alarm log.

Safety features
No data loss after power failure, all data is saved in non-volatile memory. Over-voltage protection of in- and outputs.
Galvanic separation of measuring inputs and signal outputs.

Real-time clock with calendar
For action time stamp and preprogrammed actions.

Link to AMI
Internal communication between Sequencer and AMI Analyzer (only for AMI Silica, AMI Phosphate-II B)

8 Relay outputs for indication of the active sample stream and Alarm.

Max. load:	50 V / 100mA

6 Inputs Overriding programmed sample stream sequence.
For use with dry contacts.

Load:	5 V / 1mA

6 Signal outputs
Six signal outputs for measured values.

Current loop:	0/4 - 20 mA
Maximum burden:	510 Ω

Monitor Data

Sample conditions

Flow rate:	according attached analyzer plus min. 5 l/h per stream
Water inlet pressure	0.5 - 3 bar
Sample temperature:	5 to 45 °C

Flow cell and connections
Made of acrylic glass with back pressure regulator, needle valve and digital sample flow meter.

Sample inlet (6):	4 x 6 mm
Sample outlet (1):	4 x 6 mm
Sample overflow (3):	15 x 20 mm (1/2”)
Overflow pressure:	atmospheric

Panel

Panel dimensions:	280 x 850 x 200 mm
Panel material:	stainless steel
Weight:	8 kg