

DIGITAL INDUSTRIES SOFTWARE

Simcenter SCADAS ES Voltage Conditioning Units

Simcenter/SCES/V/2026

Product Information Sheet

Summary

The following Simcenter SCADAS ES Unit(s) provide differential, semi-differential and single-ended input channels of Voltage/ICP[®] signal conditioning and sensor DC supply:

Code	Analog in			Channel supply	
	Voltage SE	Voltage Semi-diff	Voltage Diff	ICP	DC
SCES-V9-C	9			✓	
SCES-V9-B	9			✓	
SCES-VSD9-C		9		✓	
SCES-VSD9-B		9		✓	
SCES-S9-Y	9		9	✓	✓
SCES-V27-C	27			✓	
SCES-VSD27-C		27		✓	

	Analog in			Channel supply	
Code	Voltage SE	Voltage Semi-diff	Voltage Diff	ICP	DC
SCES-VSD27-L		27		✓	✓

FEATURES

- Voltage channels up to ± 60 V with ICP® and DC supplies
- Differential, semi-differential and single-ended coupling
- Support of piezo-electric sensors and sensors with or without external supply, including current loops
- Up to 27x channels in a single 2-slot Unit
- Available in different connectors: Camac, BNC, 9-pin LEMO (Simcenter SCADAS Mobile/Lab V24 compatible), 9-pin Yamaichi (Simcenter SCADAS RS S24, S12-E like compatible)

BENEFITS

- High performance lab and mobile solutions
- Reliable high-speed, high-channel data acquisition
- Easy mounting and instrumentation
- Easy stacking of units without tools
- Centralized and distributed configurations
- Daisy chaining between stacks
- Use with Simcenter Testlab or with the on-board Simcenter SCADAS Go Configuration / Recorder (accessible through any web browser via PNI or PNU units)

Simcenter SCADAS ES Product Family

Simcenter SCADAS ES is a laboratory and mobile system, part of the Simcenter SCADAS signal conditioning and data acquisition systems family.

Simcenter SCADAS ES is both a distributed and centralized system for front-end signal conditioning and data acquisition hardware. Simcenter SCADAS ES is especially designed for high-performance lab and mobile solutions, reliable and high-speed throughput data acquisition, ideal for high-channel count testing.

Simcenter SCADAS ES Units are combined and stacked by a toolless mechanism, and come in 1 or 2 slot sizes. Some of them come in different connector flavours, normally indicated by its product code suffix.

Each Simcenter SCADAS ES stack can deliver a total throughput up to 17 MSamples/s using 1 Gbps Ethernet ports via a Powered Network Interface Unit (PNI) or a Uninterruptible Power Network Interface Unit (PNU), and supports up to 8x slots of Conditioning Units and a REC unit.

Use Simcenter Testlab or the on-board Simcenter SCADAS Go Configuration and Simcenter SCADAS Go Recorder for instrumentation, channel setup, calibration, sensor validation, measurement control, on-line data viewing and after measurement.



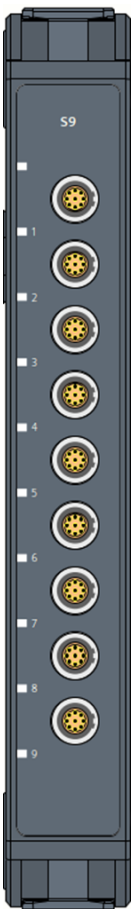
Simcenter SCADAS ES Stack

Included Units

Simcenter SCADAS ES 9-ch V/ICP® Unit -C		Simcenter SCADAS ES 9-ch V/ICP® Unit -B	
	Product Code SCES-V9-C Description This SCES unit provides 9 single-ended input channels of Voltage/ICP® signal conditioning via Camac connectors in a single slot unit Supported sensors Piezo-electric ICP® sensors, voltage inputs up to ±60 V, sensors with external supply. Features • 9x single-ended voltage channels with ICP® supply. Connectors – Mating cables included • 9x Camac Size 1-slot Power input Via stack backbone Connectivity Accessible in a Simcenter SCADAS ES stack via PNI or PNU units		Product Code SCES-V9-B Description This SCES unit provides 9 single-ended input channels of Voltage/ICP® signal conditioning via BNC connectors in a double slot unit Supported sensors Piezo-electric ICP® sensors, voltage inputs up to ±60 V, sensors with external supply. Features • 9x single-ended voltage channels with ICP® supply. Connectors • 9x BNC Size 2-slot Power input Via stack backbone Connectivity Accessible in a Simcenter SCADAS ES stack via PNI or PNU units

Simcenter SCADAS ES 9-ch V/ICP [®] semi-diff Unit -C	Simcenter SCADAS ES 9-ch V/ICP [®] semi-diff Unit -B
 Product Code SCES-VSD9-C Description This SCES unit provides 9 semi-differential input channels of Voltage/ICP[®] signal conditioning via Camac connectors in a single slot unit Supported sensors Piezo-electric ICP[®] sensors, voltage inputs up to ± 10 V, sensors with external supply. Features • 9x semi-differential voltage channels with ICP[®] supply. Connectors – Mating cables included • 9x Camac Size 1-slot Power input Via stack backbone Connectivity Accessible in a Simcenter SCADAS ES stack via PNI or PNU units Grounding notes The socket connectors outer conductors are not directly connected to unit chassis.	 Product Code SCES-VSD9-B Description This SCES unit provides 9 semi-differential input channels of Voltage/ICP[®] signal conditioning via BNC connectors in a double slot unit Supported sensors Piezo-electric ICP[®] sensors, voltage inputs up to ± 10 V, sensors with external supply. Features • 9x semi-differential voltage channels with ICP[®] supply. Connectors • 9x BNC Size 2-slot Power input Via stack backbone Connectivity Accessible in a Simcenter SCADAS ES stack via PNI or PNU units Grounding notes The socket connectors outer conductors are not directly connected to unit chassis.

Simcenter SCADAS ES 27-ch V/ICP® Unit -C		Simcenter SCADAS ES 27-ch V/ICP® semi-diff Unit -C	
	Product Code SCES-V27-C		Product Code SCES-VSD27-C
	Description This SCES unit provides 27 single-ended input channels of Voltage/ICP® signal conditioning, or 9 tri-axials, via Camac connectors in a double slot unit		Description This SCES unit provides 27 semi-differential input channels of Voltage/ICP® signal conditioning, or 9 tri-axials, via Camac connectors in a double slot unit
	Supported sensors Piezo-electric ICP® sensors, voltage inputs up to ±60 V, sensors with external supply.		Supported sensors Piezo-electric ICP® sensors, voltage inputs up to ±10 V, sensors with external supply.
	Features • 27x single-ended voltage channels with ICP® supply.		Features • 27x semi-differential voltage channels with ICP® supply.
	Connectors – Mating cables included • 27x Camac		Connectors – Mating cables included • 27x Camac
	Size 2-slot		Size 2-slot
Power input Via stack backbone		Power input Via stack backbone	
Connectivity Accessible in a Simcenter SCADAS ES stack via PNI or PNU units		Connectivity Accessible in a Simcenter SCADAS ES stack via PNI or PNU units	
		Grounding notes The socket connectors outer conductors are not connected to unit chassis.	

Simcenter SCADAS ES 27-ch V/ICP [®] semi-diff Unit -L		Simcenter SCADAS ES 9-ch Sensor Unit -Y	
	Product Code SCES-VSD27-L		Product Code SCES-S9-Y
	Description This SCES unit provides 27 semi-differential input channels of Voltage/ICP [®] signal conditioning with DC supply, or 9 tri-axials, via 9-pin LEMO connectors in a double slot unit		Description This SCES unit provides 9 differential and single-ended input channels of sensor signal conditioning with ICP [®] and DC supply via 9-pin Yamaichi connectors in a single slot unit
	Supported sensors Piezo-electric ICP [®] sensors, voltage inputs up to ±10 V, sensors with or without external supply.		Supported sensors Piezo-electric ICP [®] sensors, voltage inputs up to ±60 V, differential and single-ended sensors with or without external supply, current loops (using shunt).
	Features 27x semi-differential voltage channels with ICP[®] and DC supply.		Features 9x differential and single-ended voltage channels with ICP[®] supply and DC supply.
	Connectors 9x 9-pin LEMO (Simcenter SCADAS Mobile/Lab V24 compatible)		Connectors 9x 9-pin Yamaichi (Simcenter SCADAS RS S24, S12-E like compatible)
	Size 2-slot		Size 1-slot
	Power input Via stack backbone		Power input Via stack backbone
	Connectivity Accessible in a Simcenter SCADAS ES stack via PNI or PNU units		Connectivity Accessible in a Simcenter SCADAS ES stack via PNI or PNU units

General

Each system may consist of one or more Simcenter SCADAS ES stacks and is based on Linux OS, providing connectivity and the on-board web app Simcenter SCADAS Go Configuration (or Simcenter SCADAS Go Recorder when a Recorder unit is present in the stack).

Data protocol	Ethernet based.
---------------	-----------------

Backbone bus	Each unit shares this bus with power and data when stacked via backbone connector. • Input power • 1 Gbit Ethernet for data and control 48V DC distribution power • Clock reference signal • Real-time bus with low latency • Calibration and input channel diagnostics reference signal • System & Power control signals
Non-volatile memory	Configuration and channel settings stored in the unit.
Unit feedback	Following unit information is reported via LED and to the user interface: booting, upgrading, identification, internal error, active.
Grounding	Units in a stack have a provision for grounding from PNI or PNU via backbone.
Boot time	PNI or PNU will boot a stack of units within 3 min.
User interface	Via on-board Simcenter SCADAS Go Configuration / Recorder web application available in PNI and PNU units.
Dimensions	• Units come in 2 flavors: 1 slot or 2 slot units. • Dimensions when stacked [W x H x D]: ◦ 1 slot unit: 24 x 173 x 282 [mm]. ◦ 2 slot unit: 49 x 173 x 282 [mm]. NOTES: ▪ Width does not include 8 mm stacking feet ▪ Depth does not include front connector sockets
Weight	1 slot unit: 1.3 kg average. 2 slot unit: 2 kg average.
Stack calibration	Via dedicated CAL connector available in PNI and PNU units.

Clock synchronization

Clock source

Internal (PNI or PNU): generates the internal clock signal PTP for the backbone of the stack of units.

External: supports a present clock source in the backbone generated by another unit.

Clock accuracies

PTP (IEEE1588)	< 70 ns (when Sync-E is not supported in the network)
Sync-E + PTP	< 10 ns
GNSS	180 ns (typ, from another unit in the stack like REC)
IRIG-B	< 100 ns
NTP	< 1 ms (TBC)
Free running mode	< 5 ppm at 25 °C

Units Channels

General

All (conditioning) units are internally based on a sub-channel modularity, called channel group, usually a 3-channel group for analog conditioning units.

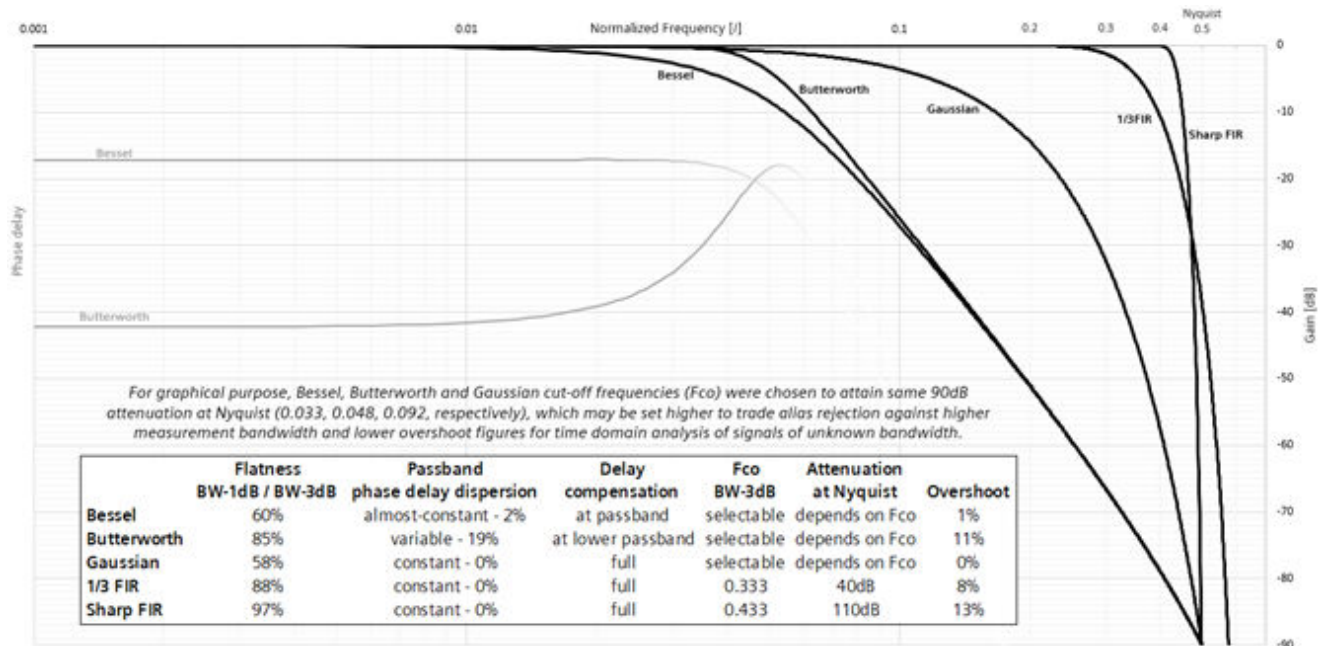
Analog inputs

General

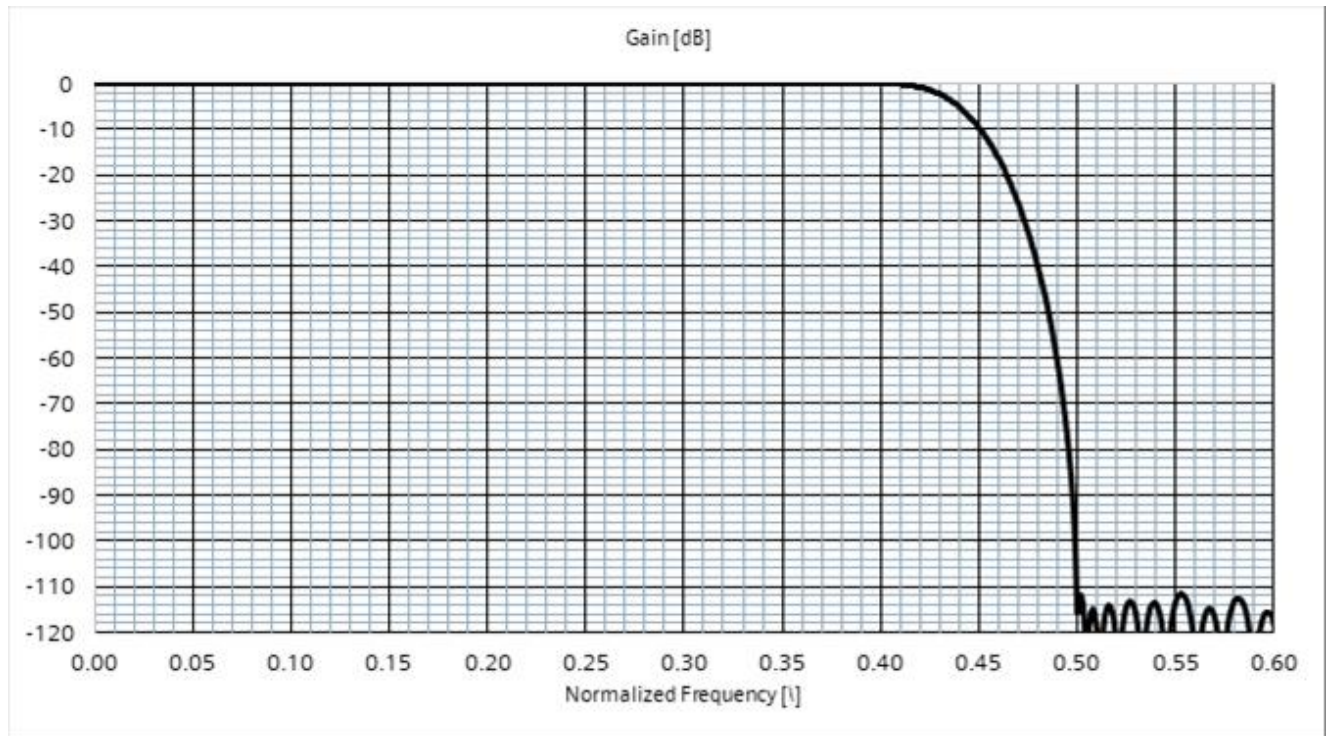
ADC	Sigma-delta operating at very high frequency, allowing noise-shaping away from measurement band of interest and optimal noise figures.
Analog anti-aliasing and slew rate protection filters	Input amplifiers are prevented to enter in (non-linear) undesired behavior due to high frequency disturbances thanks to modified Bessel filter stages operating at far higher frequencies than the measurement band of interest, providing optimal in-band anti-aliasing, linearity and flatness.
Data samples	Published in engineering units (32-bit).
Sample rates	Binary grid: up to 204.8 kHz Decimal grid: up to 192 kHz Sample rate independently selectable per channel, for all channels.
Throughput	Max: 204.8k * #Channels [kSamples/s] 204.8k * 32 * #Channels [kbps]
Alias protection	Alias rejection is guaranteed by analog and digital anti-aliasing filter stages. Completely alias-free bandwidth (always better than 105 dB rejection): Up to 88.6 kHz (-3 dB).
Digital low pass filters	Freely selectable digital low pass decimation filters, per channel and independently from selected sample rate, ordered by flatness (ratio of the bandwidth at -1 dB to bandwidth at -3 dB): 97.5 %: Sharp FIR (cut-off at 0.433 normalized frequency). Flattest ($< \pm 0.005$ dB) up to 0.4, performant and linear: 87 %: 1/3 FIR (cut-off at 0.33 normalized frequency). Gentler and linear. 86 %: Butterworth 4th order (cut-off freely selectable). 60 %: Bessel 4th order (cut-off freely selectable). 60 %: Gaussian (cut-off freely selectable). Most gentle and linear. Delays are automatically compensated, allowing data streams to be aligned to the sample, with accuracy: - Butterworth: optimized for low frequencies - Bessel: all in-band frequencies, always better than 1 ° - Others: all in-band frequencies, exactly 0 °
TEDS	Class I and Class II (when connector supports it).

Gain / offset	Active Temperature Stabilization (ATS) provides new grounds for temperature stability and drift accuracy figures (see subsequent sections). Gain and offset can be set respectively to the desired values by sensitivity calibration and balancing operation in software. Gain and offset can be further set respectively to the desired values by sensitivity calibration and balancing operation in software.	
Calibration signal	Built-in. Adjustment and Calibration executed at Siemens using a traceable reference source.	
Phase accuracy	Following values guaranteed for all units and all ranges, mixed or not:	
	Intra-stack	< 56 ns (0.2 ° @ 10 kHz)
	Inter-stack	< 10 ns (under certain conditions)
Linearity	Always better than 0.01 % of full scale at 95 % Nyquist.	
Cable length	Up to 80 m (between sensor and unit).	
Channel feedback	Following basic information is reported via LED per channel (and/or channel group) and in the user interface. For specific channel feedback, see function-specific chapter.	
	Sensor feedback	Measurement overloads (up to an internal maximum broadband)
	Supply feedback	Short circuit or power overload (power supply will be disabled automatically for protection)

Filters

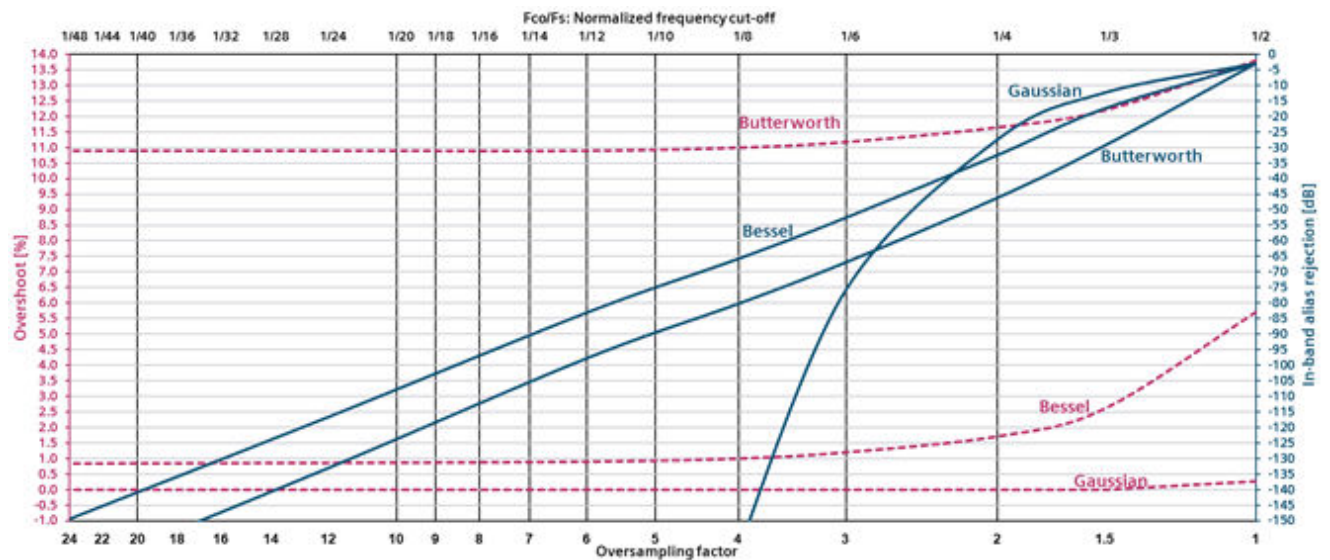


Filters Overview



Sharp FIR Filter

Alias rejection always better than 110 dB.



Shaping Filters

For MAX sample rate, alias rejection is always better than 145 dB.

Voltage

General

AC coupling	Software selectable high pass filters options per channel for all ranges (at -3 dB), ± 6 %: • (If available) Bridge conditioning (digital): 0.5 Hz • Other conditioning (combined analog and digital): 59 Hz, 22 Hz, 7 Hz, 0.5 Hz, 0.1 Hz and 0.05 Hz (not available in ± 60 V range). A boost mechanism is in place for the lowest AC coupling frequency cut-off to reduce the settling time.
Adjustment accuracy	Gain and offset always better than 0.025 % in time at 22 °C ambient temperature (between yearly recalibrations).

Single-Ended Input (SE)

Supported sensors/signals	• Piezo electric ICP[®] sensors • Voltage inputs up to ± 60 V • Sensors with external supply	
Adjustment accuracy	Gain and offset always better than 0.1 % in temperature within the operating temperature range.	
Voltage	Ranges	± 60 V, ± 10 V, ± 3.16 V, ± 1 V, ± 0.316 V
	Input impedance	10 M Ω ± 2 % <100 pF, except for 60 V range: 1 M Ω ± 2 % <100 pF
ICP [®]	Ranges	± 10 V, ± 3.16 V, ± 1 V, ± 0.316 V
	Input impedance	>200 k Ω <260 pF
Signal to noise ratio (SNR)	Range [V]	Always better than [dB]
	± 60	111
	± 10	113
	± 3.16	112
	± 1	110
	± 0.316	104
	Method	20 kHz bandwidth, AC RMS value at 22 °C, 1 s, 100 Ω termination.
Spurious Free Floor (SFF)	Always better than -160 dB (± 60 V, ± 10 V). Method: 5x averaged APS (Auto Power Spectrum), 0.05 Hz bin, 20 Hz – 20 kHz, max peak.	
Total Harmonic Distortion (THD)	Range [V]	Always better than [dB]
	± 60	-100
	± 10	-105
	± 3.16	-105
	± 1	-100

	± 0.316	-95
	Method	-3 dB full-scale 1 kHz sine
Crosstalk	Always better than -125 dB, except -90 dB for ± 60 V range. Method: -3 dB full-scale 1 kHz sine from all other channels.	
Slew rate	31 V/ μ s. Linearity is guaranteed at full bandwidth at full scale for all ranges.	
Protection provision	Voltage without damage of ± 65 V between input pins.	

Semi-Differential Input (SD)

Supported sensors/signals	The Semi-differential input supports single-ended sensors, while taking advantage of most differential amplifier advantages via a smart low-impedance path between negative input and signal ground. • Piezo electric ICP[®] sensors • Voltage inputs up to ± 10 V • Sensors with external supply	
Adjustment accuracy	Gain and offset always better than 0.15 % in temperature within the operating temperature range.	
Voltage	Ranges	± 10 V, ± 3.16 V, ± 1 V, ± 0.316 V
	Input impedance	>10 M Ω ± 2 % <550 pF
ICP [®]	Ranges	± 10 V, ± 3.16 V, ± 1 V, ± 0.316 V
	Input impedance	>200 k Ω <550 pF
Signal to noise ratio (SNR)	Range [V]	Always better than [dB]
	± 10	111
	± 3.16	105
	± 1	108
	± 0.316	99
	Method	20 kHz bandwidth, AC RMS value at 22 °C, 1 s, 100 Ω termination.
Spurious Free Floor (SFF)	Always better than -160 dB (± 10 V). Method: 5x averaged APS (Auto Power Spectrum), 0.05 Hz bin, 20 Hz – 20 kHz, max peak.	
Total Harmonic Distortion (THD)	Range [V]	Always better than [dB]
	± 10	-90
	± 3.16	-90
	± 1	-96
	± 0.316	-96
	Method	-3 dB full-scale 1 kHz sine.
Crosstalk	Always better than -130 dB for all ranges.	

	Method: -3 dB full-scale 1 kHz sine from all other channels.
Slew rate	2 V/ μ s. Full bandwidth linearity is guaranteed at full scale for all ranges, besides ± 10 V and ± 1 V (up to 32 kHz).
Protection provision	Voltage without damage of ± 65 V between input pins.

Differential Input

General

Adjustment accuracy	Gain and offset always better than 0.15 % in temperature within the operating temperature range.	
Ranges	± 10 V, ± 3.16 V, ± 1 V, ± 0.316 V, ± 0.1 V*, ± 0.0316 V*. Maximum common mode voltage: ± 2.5 V. (*) The 2x lowest ranges are only available for inputs with bridge conditioning capabilities. See Bridge input section.	
Common Mode Rejection Ratio (CMRR)	For DC and 50 Hz, always better than 120 dB, except 92 dB for ± 10 V and 3.16 V ranges.	
Signal to noise ratio (SNR)	Range [V]	Always better than [dB]
	± 10	111
	± 3.16	105
	± 1	108
	± 0.316	99
	Method	20 kHz bandwidth, AC RMS value at 22 °C, 1 s, 100 Ω termination.
Total Harmonic Distortion (THD)	Always better than -96 dB, except: -90 dB for ± 10 V and 3.16 V ranges (without bridge capabilities) -80 dB for ± 10 V range and -85 dB for 3.16 V range (with bridge capabilities) Method: -3 dB full-scale 1 kHz sine.	
Crosstalk	Always better than -130 dB for all ranges. Method: -3 dB full-scale 1 kHz sine from all other channels.	
Slew rate	2 V/ μ s. Full bandwidth linearity is guaranteed at full scale for all ranges, besides ± 10 V and ± 1 V (up to 32 kHz).	
Protection provision	Voltage without damage of ± 40 V between both input pins and GND.	

Sensor input

Supported sensors/signals	• Differential voltage inputs up to ± 10 V • Differential sensors with external supply • Current loops (using shunt)
Input impedance	$>100\text{ M}\Omega \pm 10\%$ $<400\text{ pF}$
Spurious Free Floor (SFF)	Always better than -160 dB ($\pm 10\text{ V}$). Method: 5x averaged APS (Auto Power Spectrum), 0.05 Hz bin, 20 Hz – 20 kHz, max peak.

Channel supply

General

Protection provision

Short-circuit protected.

0 V or No Supply conditioning: $V_{\text{supply}+}$ (and $V_{\text{supply}-}$ when applicable) pins become floating (high impedance).

ICP

General

Low-noise and temperature super-stable supply (Siemens patent).

Modes	ICP [®] modes selectable by software per channel group. Values at 25 °C ambient temperature:	
	ICP [®] 4 mA mode	• >4 mA, output voltage >23.6 V • >2 mA, output voltage >24.3 V
	ICP [®] 3.5 mA mode*	• >3.5 mA, output voltage >23.6 V • >2 mA, output voltage >24.2 V
Channel supply specific feedback	Following information is also reported via LED per channel and in the user interface: • Open circuit (detection threshold >20 V) • Supply short (detection threshold <2 V)	

(*) Not available for analog pulse channels.

Voltage/Charge channel

Uses hardware AC coupling.

DC

Voltage channel

General	Not applicable for channels with coaxial connector.
	Units with more than 9 channels (i.e. 27 channels), next information is only valid for a channel group.
Unipolar	15 V* and 6.5 V
	Accuracy: $\pm 5\%$ (ripple <0.15 Vpp).
	When turned on, possible inrush currents up to 60 mA** are supported during 190 ms.
	Software selectable current per channel: 20 mA (default), 32 mA, 40 mA, 60 mA (using default optimizes stack size).

	(*) 14.1 V for inputs with bridge conditioning capabilities. (**) 80 mA for inputs with bridge conditioning capabilities.
Bipolar	1 V (± 0.5 V), 3 V (± 1.5 V), 10 V (± 5 V)
	5 V also available from the DC bipolar supply: • Between positive supply and GND pins • Negative pin is also active: If accidentally shorted, positive supply pin will also be disabled

Environmental

Temperature range	- Operating: -20 °C to +55 °C (40 °F to 149 °F) - Storage: -40 °C to +85 °C (40 °F to 185 °F)
Ambient pressure	0.5 bar to 1.3 bar (50 kPa to 130 kPa) according to IEC 60068-2-13. Altitude: –2000 m (mining) to 5000 m (mountains).
Water and dust protection	IP20
Humidity	Resistant to humidity according to IEC 60068-2-30 (cyclic damp heat 12 h + 12 h).
Vibration	MIL-STD-810H, Method 514.8, category 24, 7.7 gRMS, 20-2000 Hz, 1 h per axis.
Shock	MIL-STD-810H, Method 516.8, Procedure I, Operational, Half-Sine pulse, 50 g, 11 ms.
Drop	MIL-STD-810H, Method 516.8 - Procedure IV: Transit Drop. Non-operational, Free fall from 122 cm height, unpackaged.
ESD	- EN61000-4-2 level 4 - ISO 10605
EMC requirements	IEC 61326-1
Calibration	Compliant with ISO 17025. Factory calibration of equipment with voltage channels in our ISO/IEC 17025 accredited calibration laboratory provides formal recognition to competent laboratories and provides a guaranteed & validated calibration method for Siemens SCADAS systems. Siemens will present a full ISO 17025 compliant report according to the accredited published scope and with the official RvA (registration number K159) & ILAC labels.
Certifications	CE, FCC

Connectors and Pinout

General

All connectors support at least 2500 mating cycles, unless specifically indicated.

Measurement

UNC10-32 (Microdot®)

Unit product codes	Connector	Pin function
SCES-VC9 SCES-VC9QS SCES-VC9MO	 UNC10-32 (10-32 Microdot® Simcenter SCADAS Mobile/Lab VC8 compatible) Socket : 031-0002-0001	Inner: SE/ICP®/Charge(SE) Outer: GND

Unit product codes	Connector	Pin function
	NOTE: Supports at least 500 mating cycles	

BNC

Unit product codes	Connector	Pin function
SCES-V9-B SCES-VSD9-B SCES-PD4-B SCES-V6-PD2-B	 BNC	Inner: -As input: Vin+(SD)/SE/TEDS/ICP® -As output: DAC+ Outer: -As input: Vin-(SD)/GND(SE) -As output: DAC-

Camac

Unit product codes	Connector	Pin function
SCES-V9-B SCES-VSD9-B SCES-PD4-B SCES-V9-C SCES-VSD9-C SCES-V27-C SCES-VSD27-C SCES-VC9MO SCES-V6-SP2-C SCES-V6-PD2-B	 Camac Camac Socket : YCP-SWI06XNX-01FOEZX-000X Camac Plug : YCP-SPR06XCX-01M0EEX-035X (for RG174) YCP-ABR06BT030X bend relief	Inner: -As input: Vin+(SD)/SE/TEDS/ICP® -As output: DAC+/Monitor+ Outer: -As input: Vin-(SD)/GND(SE) -As output: DAC-/Monitor-

9-pin LEMO

Unit product codes	Connector	Pin function
SCES-VSD27-L		1.N.C. 2.Vin-B 3.Vin+B/TEDS/ICP® 4.N.C. 5.Vsupply+

Unit product codes	Connector	Pin function
	9-pin LEMO compatible (Simcenter SCADAS Mobile/Lab V24) Socket : YCP-BWI09ACX-09FPCXX-000X Plug : YCP-BPR09ACX-09MSCBX-0xxX YCP-ABR09BT0xxX bend relief	6.Vin+C/TEDS/ICP® 7.Vin-C 8.Vin+A/TEDS/ICP® 9.Vin-A Shielding: Unit chassis ground and signal ground (GND)

9-pin Yamaichi

Sensor

Unit product codes	Connector	Pin function
SCES-S9-Y	 9-pin Yamaichi (Simcenter SCADAS RS compatible) Socket : YCP-BWI09BCX-09FPCXX-000X Plug : YCP-TPR09BCX-09MSCBX-0xxX YCP-ABR09BT0xxX bend relief	1.GND 2.N.C. 3.Vin+ 4.Vin- 5.GND 6.N.C. 7.N.C. 8.Vsupply+ 9.SE/TEDS/ICP Shielding: Unit chassis ground

On-board Simcenter SCADAS Go Configuration / Recorder

General

License-free embedded software on the Simcenter SCADAS ES PNI and PNU units. If a Recorder is present in the stack, the application becomes Simcenter SCADAS Go Recorder.

Provides a multi-user parallel web user interface, accessible through any web browser, wired or wireless (PNU) connection.

Instrumentation

- Single channel setup
- Channel list (grid and card views)
- Persist settings on each connected unit

- Calculated channels setup
- Template management

Calibration & checks

- DC calibration
- Shunt calibration
- Offset balancing
- Verification checks

Monitoring

- Status info: health status, warnings and alarms
- Statistics: overall and instantaneous
- Time data
- Frequency data (FFT)
- Variety of customizable displays: digital, analog, strip chart, XY, 2D

Detailed info

See Simcenter SCADAS Go Configuration / Recorder Manual within the application.

Accessories

Delivered with Units

Product code	Product name	SCES-V9-C	SCES-VSD9-C	SCES-V27-C	SCES-VSD27-C
SCX-CAS05*	SCx spare CAMAC-BNC adaptor for Vx & DAC	9	9	27	27

(*) Compatible with Simcenter SCADAS Mobile/Recorder/Lab modules.

Optional

The following are compatible with Simcenter SCADAS RS conditioning units:

Product code	Product name	SCES-S9-Y
SCRSA-CABA01	Analog input cable pigtail, 3m	9
SCRSA-CABA02	Cable Yamaichi 9 pins to BNC	9
SCRSA-CABA03	Analog input cable with resistor, 3m	9
SCRSA-CAB019	Analog input cable push-lock 5-pin, QB 2	9
SCRSA-CAB020	Analog input cable push-lock 5-pin, QB 3	9
SCRSA-CAB021	Analog input cable to M8 6-pin	9

(*) Not yet available