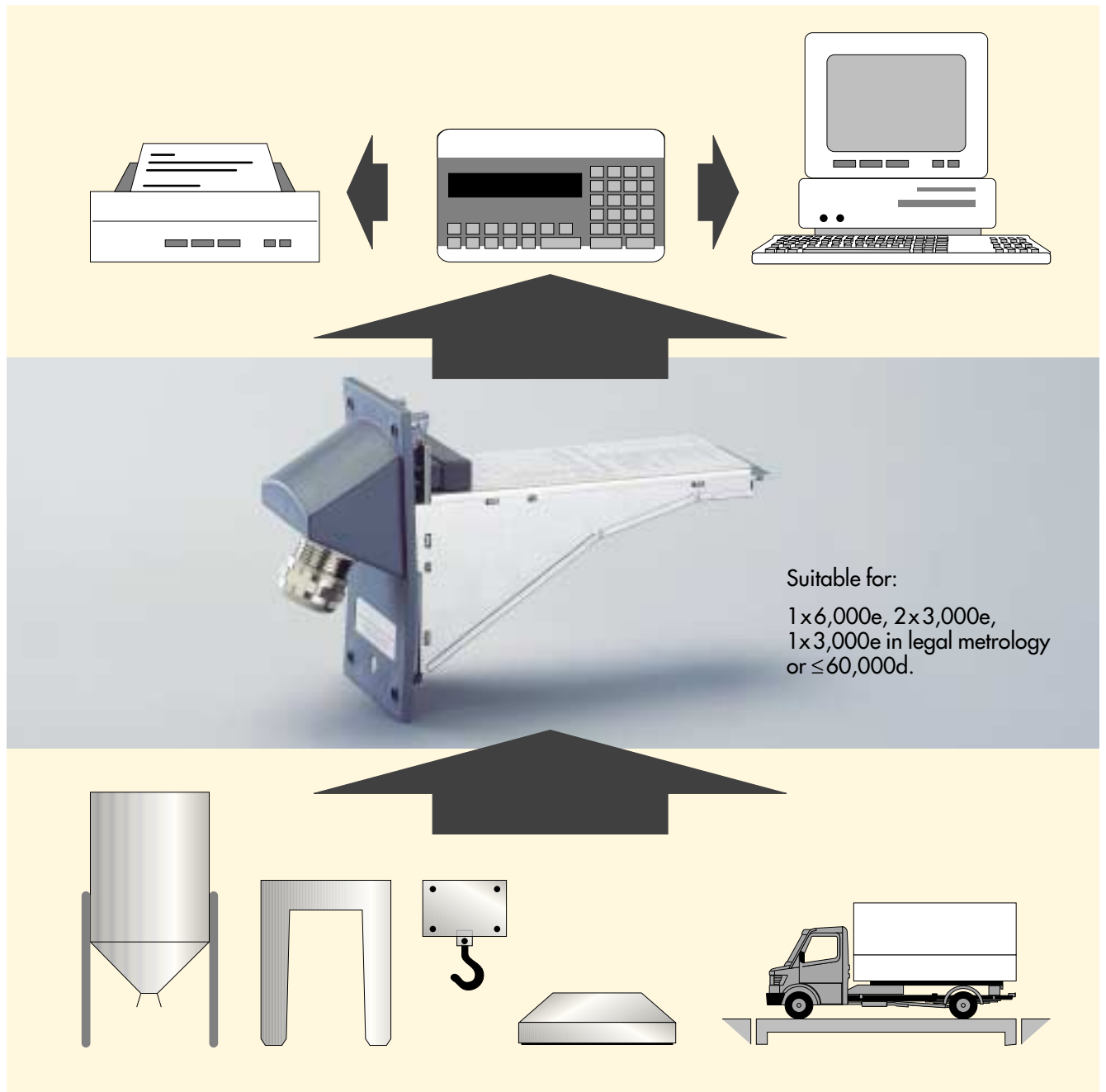


Configurable A/D converter. The ideal module for the isi Series industrial terminals.



Sartorius AG, Weighing Technology

sartorius

The analog/digital converter, YCO01IS-0CE supplements Sartorius modular technology.

It allows strain-gauge weighing equipment of other manufacturers to be connected to Sartorius industrial terminals of the isi Series.

Features and Performance Specifications

- Easy-to-install module
- For weighing capacities up to 60 t
- Can be configured via an isi terminal that is used as a display and control unit for weighing platforms and scales that have a resolution up to 1x6,000e, 2x3,000e or 1x3,000e in accuracy classes (III) and (III)
- Can be used up to 60,000d as a single-range or multi-interval weighing instrument (not for legal metrology/not legal for trade).
- IP65-protected; approved for hazardous areas classified in the EU as zones 2 and 11; with safety certificate issued by the stringent German Association for Technical Inspection and Safety

Specifications	
Accuracy class	(III) and (III)
Number of verification scale intervals	1x6,000e, 2x3,000e, 1x3,000e
Bridge supply voltage Amplitude	9 V
Waveform of the signal	Constant voltage (+/-4.5 V)
Input voltage	
Minimum	0.05 mV/V
Maximum	4.0 mV/V
Dead load	
Maximum signal	0.7 mV/V
Minimum signal	0.05 mV/V
Analog signal input variation	
Minimum	0.45 mV/V
Maximum	3.3 mV/V
Minimum/verification scale interval ($\pi=0.5$)	75 nV/V/e
Sensitivity ($\pi=0.5$)	0.675 μ V/e
Bridge impedance	
Minimum	83 ohms
Maximum	1,050 ohms
Temperature range	-10 °C ... +40 °C
Power supply	via isi terminal
Partial error of the electronics	$\pi = 0.5$ 6,000 e $\pi = 0.3$ 3,000 e
Available sensor technology	6-conductor technology 4-conductor technology
Terminals/conductors	2 for voltage supply 2 for measuring the voltage supply 2 for analog signal
Cable specifications for connection to a load receptor (platform scale)	
Recommended specification	8x0.5 mm ²
Length	≤ 150 m
Gauge/wire	≤ 0.5 mm ²
Resistance	< 5.4 ohms/wire/
Shielding	150 meters Braided, round copper wire, tin-plated, 80 % sheathed
Digital interface without any feedback in compliance with EN45501	

A/D Converter and Accessories	Order No.
A/D converter (module) for Sartorius terminals of the isi Series	YCO01IS-0CE
Junction box, IP67 (for connecting a weighing platform or load cell); 1 input, 1 output via cable gland	69IS0073
Junction box, IP67 (for connecting two weighing platforms or load cells); 2 inputs, 1 output via cable gland	69IS0074
Junction box, IP67 (for connecting four weighing platforms or load cells); 4 inputs, 1 output via cable gland	69IS0075
Cable for connecting a junction box to the A/D converter, 8x0.5 mm ² , Ø approx. 8 mm, shielded, 10 m, both cable ends ready to connect	YCC01-0015M10
Cable for connecting the A/D converter to a weighing platform, scale or other weighing equipment, 8x0.5 mm ² , Ø approx. 8 mm, shielded, available up to 150 m in any meter length specified, for making own cable	69Y01100
Cable gland reducing adapter for cable diameters of ≤ 8 mm, ≥ 4 mm (other manufacturers)	YAS05IS

For ordering customized cables and accessories, contact your local Sartorius office or dealer.

Your local industrial dealer is: