CSC 100

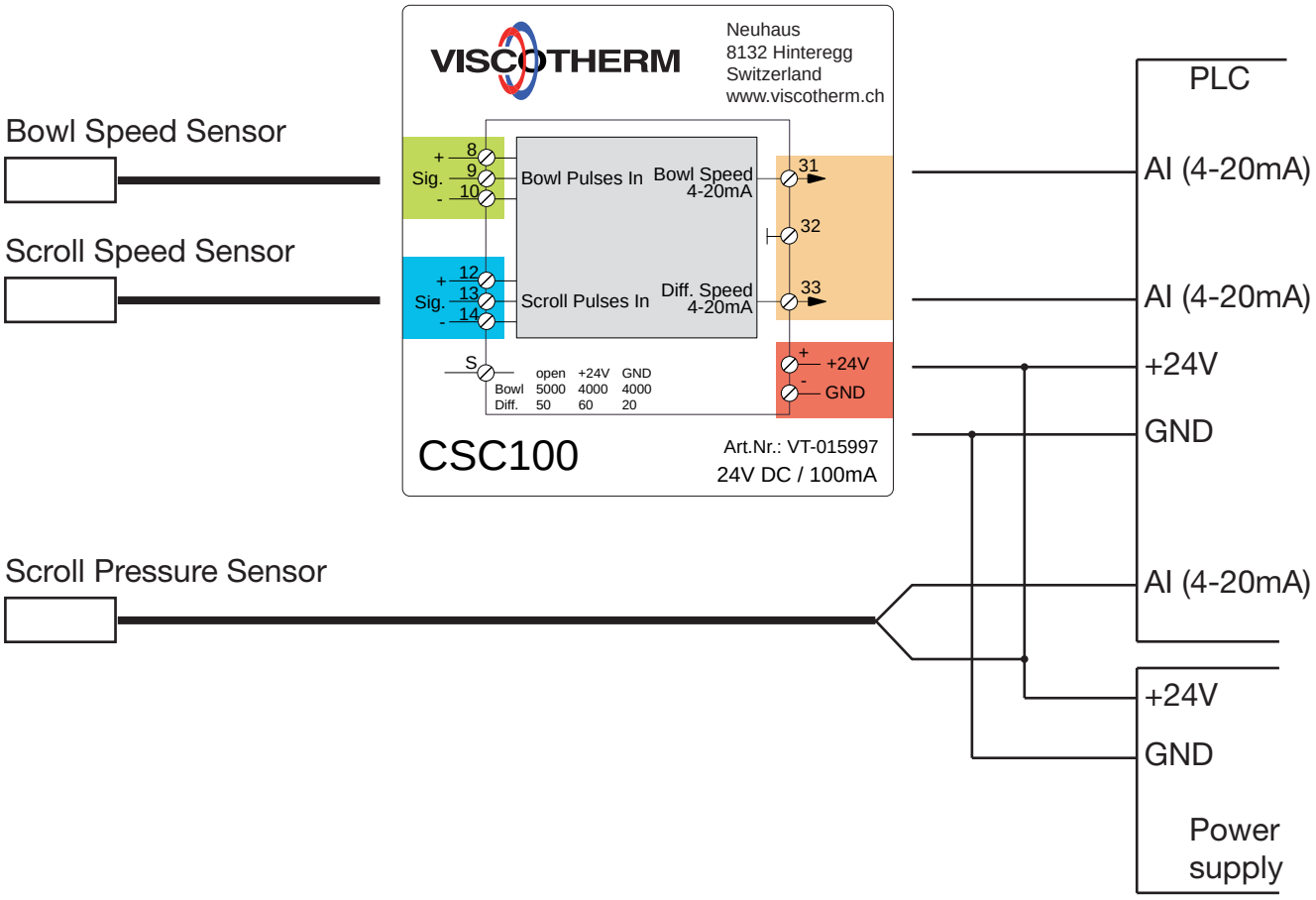
This electronic instrument is used to measure and compute the speed signals on Viscotherm drive systems for decanter centrifuges. The integrated microprocessor enables a very precise measurement. The output of the computed speed is done by standard analogue signals.

Measurement of:

- Bowl speed [rpm]
- Scroll speed [rpm]

Output of:

- Bowl speed [4-20mA]
- Differential speed [4-20mA]



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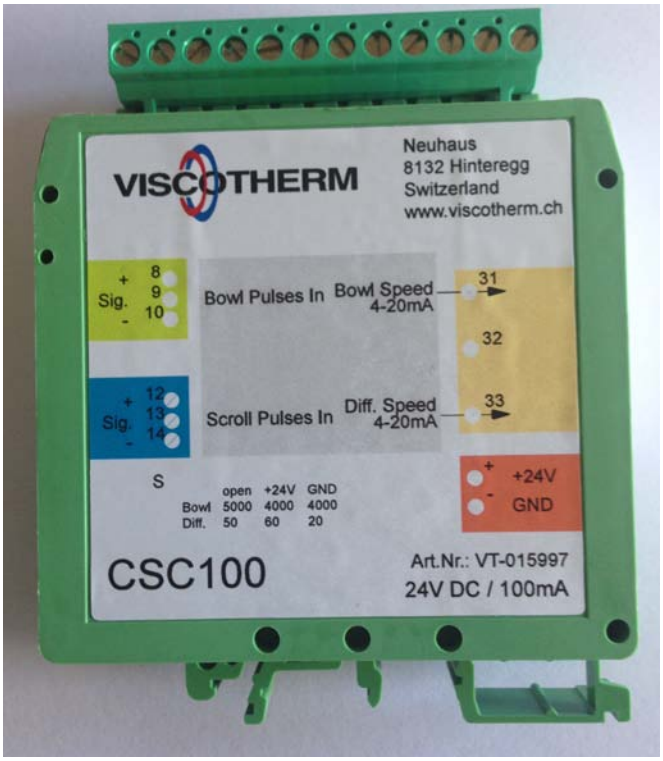
Technical data

Viscotherm Number:	VT-015997
Dimensions (B×H×T):	90mm x 79mm x 25mm (3.5” x 3,1” x 1”)
Weight:	90g
Mounting:	DIN rail
Unit protection:	IP20
	Protective lacquer, against Ammoniac and other gases
Connection terminals:	Pluggable screw terminals
Power supply:	+24V DC, +/-10%
Power consumption:	< 2.4W
	Power supply protected against reversed wiring
Input signals:	2 digital inputs, bowl and scroll speed
Measurement precisition:	4MHz
Connection:	PNP sensors (+24V, signal, GND)
Counting:	3 pulses per revolution
Sensor power supply:	+24V, max. 100mA (for both sensors)
Analog outputs:	bowl and differential speed
Bowl output:	4 - 20mA
Differential output:	4 - 20mA
Scale select:	

Input S	Bowl range	Differential range
GND	0 – 4000 rpm	0 – 20 rpm
Open	0 – 5000 rpm	0 – 50 rpm
+24V	0 – 4000 rpm	0 – 60 rpm

Absolute value, no matter if leading or lagging scroll

Power supply healty:	1 green Power ok LED
Unit healthy:	1 yellow Run LED, 1s blinking = ok.
Input signals display:	2 yellow Status LED, Speed pickup signal



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