

HySense® SC 100

The **HySense® SC 100** is an intelligent, multi-functional transducer that not only converts frequencies to an analog 4 to 20 mA signal, but is also able to determine the phase relationship between two input frequencies and output it via a switching output. This makes it possible, for example, to detect and output the flow direction for a gear flow meter (two input frequencies).

This sensor intelligence makes internal sensor signal compensation and phase evaluation on the basis of stored linearization tables possible.



General characteristics

Measured variable	Frequency (optionally two frequencies)
Measuring range	0 ... 5000 Hz
Output signal	4 ... 20 mA, ISDS (optional switching output Ub+)
Measuring accuracy	±0.1% of full scale
Electrical connector 1	M16 x 0.75, 6-pin
Electrical connector 2	M16 x 0.75, 6-pin
Body material	Aluminum
Ambient temperature	-25 ... 85 °C
IP degree of protection	IP67 (DIN EN 61076-2-106)
Weight	75 g