

SLURRY DENSITY METER ECO

Datasheet

GENERAL	Part-number	SDM ECO
	Method	Acoustic impedance (Power Interface Echo) and Temperature
	Readings	Density in SG, SGx1000, kg/m ³ , g/L, lb/ft ³ , Weight% Temperature in °C
	Accuracy	+/- 0.5%
TRANSMITTER	Power supply	Via power over Ethernet POE
	Cable glands	1x M20x1.5, 1x M25x1.5 split cable gland for ethernet
	Ambient temperature	-5 °C to +50 °C (23 °F to 122 °F)
	Humidity	< 95% at 40 °C (noncondensing)
	Protection rating	IP68, NEMA 6P
	Weight	Approx. 1.5 kg
	Materials	Coated Aluminum housing
	Dimensions	212 x 170 x 218 (L x W x H in mm) / 212 x 170 x 348 including sensor
SENSOR	Method	Ultrasonics
	Process pressure	1 to 16 bar @ 110 °C 40 bar @ 20 °C (Contact us for detailed information)
	Process temp. Range	0 °C to +150 °C (32 °F to 302 °F)
	Rod material	SS316L
	Wet-parts (sensor tip)	Ceramics, Duplex 2205
	Sensor surface radius	0 mm (flat)
	Dimensions	Ø 27 mm x 146 mm length
	Weight	± 1 kg
HMI	Power supply	18...32 VDC, (~17W to 20W-peak)
	Analog Output	2x 4-20 mA
	Digital Output	1x Modbus RS485, 1x ethernet
	Data logging	Continuous, retrievable via USB stick
	Data logging storage capacity	8 GB (expandable)
	Cable glands	3x M20x1.5, 1x M25x1.5 split cable gland for ethernet
	Ambient temperature	-5 °C to +50 °C (23 °F to 122 °F)
	Humidity	< 95% at 40 °C (noncondensing)
	Protection rating	IP65, NEMA 4
	Display	7" touchscreen
	Operation	6 Push buttons
	Materials	Stainless Steel 316 housing
	Weight	Approx. 3 kg
	Dimensions	300 x 300 x 150 (L x W x H in mm)

2023 RHOSONICS - Specifications are subject to change without notice - 09/2023