

Urea Quality Sensor for SCR Application

	Description	Values
Applications	Diesel Engine SCR Systems Passenger Vehicles Busses & Trucks Off-Highway Vehicles	Implementation in dosing/pressure line of SCR system (Quick connector: SAE Interface or VOSS SV246)
Features	Optimized for OEM specifications Fully integrated in VOSS Quick Connector No negative impact on SCR performance Ice protection of tuning fork	
Technical Data	Supply Current	40mA @ 12V or 30mA@ 24V
	Urea Concentration Range	5 % - 62.5%
	Measuring Temperature Range	-8° C to +60° C
	Max Allowed Pressure	15.5 bar
	Response Time	< 2 minutes
	Electronic Interface Communication	CAN J1939
CAN Communication	Temperature Resolution	1° C per bit
	Urea Resolution	0.25% per bit
	Update Rate for Temperature & Concentration	1s
Remarks: To protect sensing element, urea quality sensor will not make any concentration measurement below -8°C. SCR line has to be purged after operation to avoid frozen urea at the sensor. Urea concentration accuracy is +/- 1% and temperature accuracy is +/- 1°C.		

