



## SensorTec monopulse, multilane radar

TECHNICAL SPECIFICATION	
Part number	ST-RS900W
Description	SensorTec monopulse, multilane radar
Application	SensorTec Traffic System
Transmit frequency	24.000 - 24.250GHz
Maximum transmit power	20 dBm (EIRP)
FCC and ETSI	300 / 400 compliant
Antenna beam horizontal	11° (+/- 5.5°) (typical)
Antenna beam vertical	11° (+/- 5.5°) (typical)
Readout period	24 ms
Modulation	FMCW
Length accuracy	0.5 m
Speed accuracy	0.005
Velocity range	- 86 to + 86 m/s
MECHANICAL SPECIFICATION	
Mounting	4x M4 holes at the back side
	82 x 82 mm in square
Dimension (lwh)	100 x 100 x 42 mm
ELECTRICAL AND ENVIRONMENTAL SPECIFICATION	
Supply voltage	9 to 30V (secured against false polarity)
Supply current	140mA (typical)
Output resistance (RS422)	136 Ohm
Output voltage (RS422)	5 V (diff.) / The RS422 outputs are short circuit proof.
Operating temperature	- 20 °C to + 60 °C (- 4 °F to + 140 °F)
Storage temperature	- 30 °C to + 100 °C (- 22 °F to + 212 °F)
Degree of protection	IP67