

## Model GEO-ARS31

### INTELLIGENT ACTIVE PAVEMENT SENSOR + METEODATA 3000C



The active ARS31 sensor is installed flush with the road/runway surface and calculates the freezing temperature by means of active cooling and heating of the sensor surface. The freezing temperature measurement is independent of mixture.

The two-section housing design allows the combined sensor/electronics unit to be removed for maintenance purposes at any time, in just a few minutes.



Technical data	
Dimensions	Ø 120mm, height 50mm
Weight	Approx. 900g
Storage temperature	-30...70°C
Protection type	IP68
Power supply	9...36V VDC
Connector	CAGE CLAMP, WAGO (cross-section <0.5mm <sup>2</sup> )
Operating temperature	-30...70°C
Operating rel. humidity	0...100% RH
Power consumption	Approx. 30 W
Interface	RS485, baud rate: 2,400...38,400 bit/s (default: 19,200), cable length: 50m
Freezing point	
Measuring range	-30 .. 0 °C
Unit	°C
Accuracy	±0,5°C RMSE for Tg > -15 °C, or ±1,5°C RMSE for Tg < -15 °C
Resolution	0.1