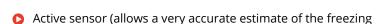


## **ACTIVE FREEZING POINT**

**DQA354.C** 





Active measurement obtained by measuring the freezing temperature of a mix of water and thawing agent stowed into the sensor (process independent of any type of thawing agent

DQA354.C is an active sensor, which performs measurements by cooling a sensor cell (Peltier cell) to a temperature of 15 ° C lower than that of the road surface. This series brings a great advantage in airport applications, where the thawing agent is not allowed, it also ensures the accuracy of the measurement of the freezing temperature as required by the European standard EN15518. DQA354.C has RS485 output with an open protocol suitable for connection to LSI LASTEM and Boschung data loggers as well as third part integration systems. DQA354.C sensor is made by Boschung Mecatronic AG.

## **Technical Specifications**

Code	DQA354.C	
Application	Airport	
Housing	Included Housing with internal connectors. It allows a very easy and fast connection of the sensor when the housing is fixed on the road surface. It makes this sensor becomes very suitable in airports applications	
Cable	Not included BOS998 cable (each m) BOS999 connector	
Freezing point temperature	Measurement range	-30÷0°C
	Accuracy	-15÷0°C: ± 0,5°C
	Resolution	0,1°C
Output	Output	RS485
	Protocol	Open protocol E-Log compatibility





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Power supply	Power supply	12 ÷ 24 Vdc
	Power consumption	< 0,5W a 12 Vdc
Others	Operative temperature	-40÷ 70°C
	Dimensions	<ul><li>Sensor: 90 mm Ø; 42 mm depth</li><li>Housing (airports):330x150x43 mm</li></ul>
	Weight	<ul><li>Sensor only: 1,7 kg</li><li>Housing (airports): 3,8 kg</li></ul>
	Protection	IP68
	CE	EN61000-6-1; EN61000-6-2; EN61000-6-3; EN61000-6-4
	MTBF	>60.000 ore

## Accessories

BOS998	Cable for DQA354.C sensor Extra cable for DQA354.E (each meter)
BOS999	Connector for DQA354.C sensor (to be purchased with the cable)
MW3030	Prodofix resin for installation of the sensors housing inside the concrete





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