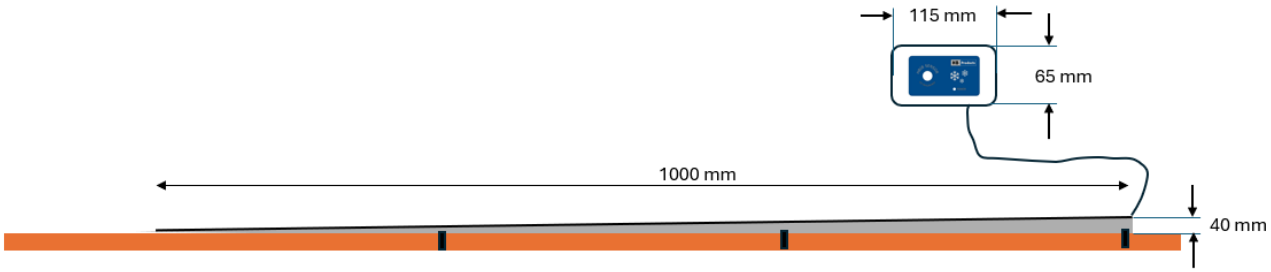
Data sheet: HBIB

The Ice Bank Sensor is used to measure the inventory in an ice bank. The sensor element is a stainless-steel wire covered by PTFE positioned at a growing distance from a cooling pipe. The distance is secured by a 40 mm high and 1000 mm long triangle mounted on the cooling pipe. The sensor measures how large a portion of the wire is included in the ice layer. The sensor consists of an electronic box mounted on the frame, a grounding wire and a measuring wire installed on the cooling pipe.

Power supply	
Voltage	24V AC/DC ± 10%
Max. possible resistance	500 Ω
Max. energy consumption	600 mA
Electrical connection	Screw terminal and M12 plug
Output	
Analog output	4-20 mA
Communication	M12 plug
Environmental conditions	
Ambient temperature	-30°C to 50°C (-22°F to 122°F) depending on version
Protection degree	IP65
Vibrations	IEC 68-2-6 (4g)
Mechanical specifications	
Wire length	2x1 m for measurement and 3 m from sensor to box
Size	See the dimensional drawing on the next page
Material - mechanical part	AISI 304 / PTFE
Material - electronic part	Nylon 6 (PA)
Approvals	
EMC-Emission	EN 61000-3-2
EMC-Immunity	EN 61000-4-2
Configurations	
Configuration	HB Tool and a USB cable (option)
Scope of supply	
Package includes	Electronic box Measuring wire Grounding wire Manual

Dimensional drawing



For any inquiries or further information, please don't hesitate to contact us at support@hbproducts.dk.

HB Products A/S
Bøgekildevej 21
DK-8361 Hasselager
Phone: +45 87476200
www.hbproducts.dk