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Multifunctional logger with microelectromechanical measuring systems for logging of the deep boreholes in Antarctic and Greenland ice sheets

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We present the main aspects of the design, development and application of the multifunctional borehole logger for geophysical monitoring (temperature, pressure, axis incline angle and radius of borehole cross sections) of ice boreholes. The logger was designed to use in the central region of the East Antarctica in the areas of Dome A at the Kunlun station (China) and Lake Vostok at the Vostok station (Russia).

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