

# Bottom Indicator



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Technology

The bottom indicator recognizes the sea floor in time during profiling. It helps avoiding damage to the sensors through ground contact. This ground warning device consists of a mobile magnet in the sensor and a reed contact in the bottom of the probe. During profiling the magnet is pressed against the spring tension by a weight on a cable and so kept away from the reed contact (normal operation condition is "open contact"). If the weight has floor contact the spring releases the tension and shifts the magnet towards the reed contact which is then closed by the magnetic field. The reed contact produces a digital signal, which is interrogated by the micro-controller.



## Bottom indicator

Pressure resistance	> 6000 dbar
Dimension Indicator	23 mm diameter (max.), 40 mm lenght
Dimension lead weight	1.5 kg, 45 mm diameter, 120 mm lenght
Material	Stainless steel
Used for	CTD75M, CTD90, CTD90M, CTD115M



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