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and an S/N ratio of the magneto-optical resonance signal, the S/N ratio being a ratio between a resonance value of the magneto-optical resonance signal and an output value fluctuation of a first derivative of the magneto-optical resonance signal at a resonance frequency.

8. The optically pumped magnetometer according to claim 1, wherein a set temperature, which is a temperature controlled by the control part, is a temperature at which a ratio between a line width of a magneto-optical resonance signal

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obtained by sweeping a frequency of an RF magnetic field from an RF coil and an S/N ratio of the magneto-optical resonance signal is minimum.

9. The optically pumped magnetometer according to claim 1, wherein the metal is one of potassium, rubidium or cesium.

10. The optically pumped magnetometer according to claim 1, wherein the first glass cell is made of heat-resistant glass or quartz glass.

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