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3-axis Fluxgate Magnetometer Model FGE - DTU Space

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All fluxgate magnetometers are based on the theory of H. Aschenbrenner and G. Goubau developed in 1936 and the first fluxgates developed by F. Frster. Already the early satellites like putnik 3 (Dolginov-Russia, 1958), Mariner 4 (NASA/USA, 1964), the first German satellite AZUR (Musmann, 1969) studying the magnetic fields of the Earth, Moon, Venus, Mars and other planets were using fluxgate magnetometers up to the latest NASA/ESA investigations on CASSINI (1998), and ESA's Rosetta (2004) and the first ...

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Space Magnetometer Calibration Facility. Double-Star fluxgate magnetometer and Ulysses

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VHM sensor . The Space and Atmospheric Physics Group's Space Magnetometer Lab comprises a team of scientists and engineers, together with the necessary support facilities, for the research and development of magneto-meters for flight on scientific spacecraft. The group has supplied magnetometers for numerous missions including Cluster, Cassini, Venus Express, Double Star, Ulysses, Bepi-Colombo, Solar ...

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Fluxgate magnetometers evolved during the Second World War as a means of detecting submarines. Military applications continue to be an important market, but geologists and archeologists have also become big fans of these robust and extremely sensitive instruments. Metrolab uses fluxgate sensors produced by a respected specialist to complement its Hall instruments, extending the range The range of a probe is defined by the minimum and maximum field strength it can

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measure.

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