EQUIPMENT FOR IONOSPHERE PLASMA DIAGNOSIS

Areas of Application

The equipment is to be used for monitoring and controlling the parameters of near-satellite environment

Specification

Advantages

the satellite orbit

The equipment consists of neutral particles detector DN, charged particles detector DE, and research data accumulation unit. The neutral particles detector DN: overall dimensions are 100 × 115 × 105 mm; weight is 1.2 kg; power consumption is 4 W; maximum current (output signal) is 100 mA. The charged particles detector DE: the detector consists of two mutually orthogonal electric probes; diameter of the probe site is 5 mm; diameter of the measuring electrode is 1 mm; full length of the probe is 290 mm; weight is 40 g; power consumption is 0.25 mW; maximum current through the measuring electrode is 12 µA; time for current-voltage response measurement is 1 s





Neutral particles detector DN

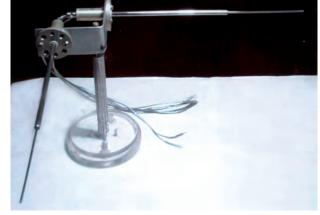


This equipment enables obtaining spatial and time distributions of parameters for neutral and charged particles of ionosphere plasma along

IRL6, TRL8 Manufactured and supplied, upon request

IPR Protection

IPR3



Charged particles detector DE

Contact Information

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