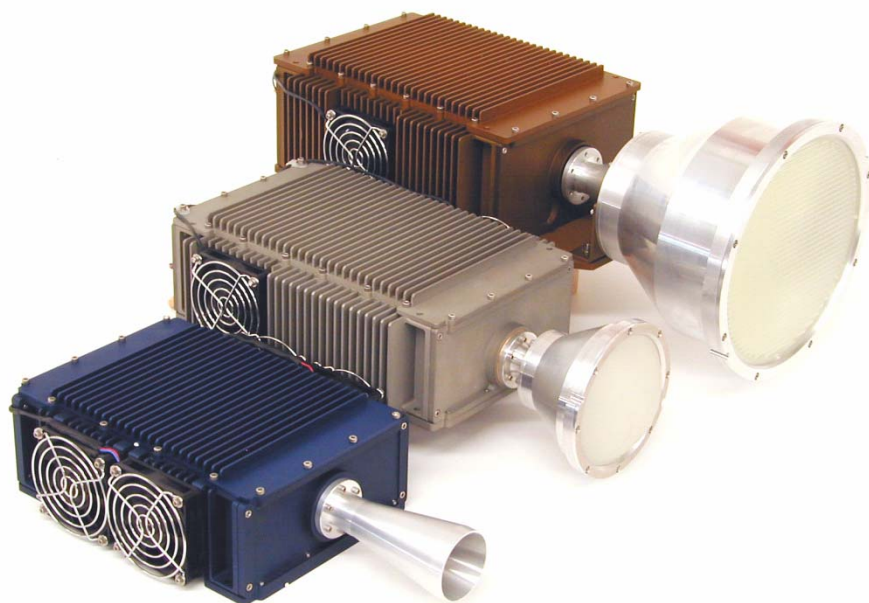




Transportable Polarimetric Radiometers for Environmental Remote Sensing Applications

Radiometrics is pleased to introduce its family of single-frequency polarimetric radiometers (PR-series) designed to provide reliable and accurate microwave observations from ground-mobile, aircraft, and fixed installations. Instrument applications and measurements include:



- **Satellite Sensor Calibration**
- **Satellite Link Loss Characterization and Prediction**
- **Snow Pack Age, Depth and Water Content**
- **Soil Moisture**
- **Sea Ice Salinity, Distribution and Age**
- **Sea Surface Salinity, Winds and Temperature**

Shown above are 89, 37, and 19 GHz (models PR8900, PR3700 and PR1900) radiometers. These radiometers have 6 degree beamwidths and the enclosures are about 25 cm in length. Radiometers operating at other frequencies are available upon request.

Instrument Features & Functionality

- Integrated digital processor with dual RS-232 ports for user interface and data logger output.
- Non-volatile memory stores all calibration and user configuration parameters.
- The radiometers are lightweight (5 to 10 kg), highly stable and accurate, and user programmable for desired modes of operation.
- Operating temperatures: ambient -20 to $+50$ C. Versions with broader temperature ranges are available.
- Power requirements: 50 W steady state, 100 W start up.