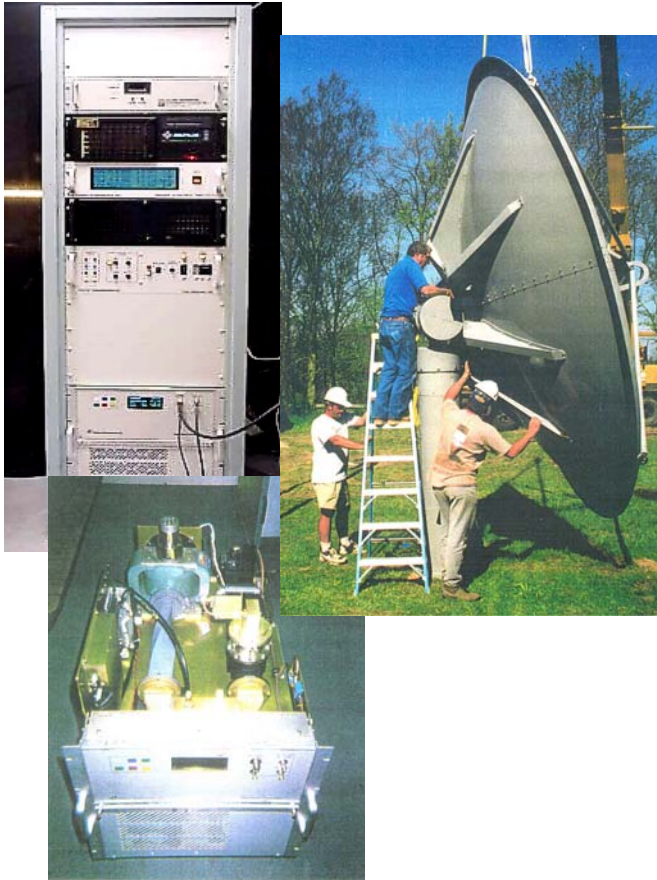




RDR Doppler Weather Radar Systems C-Band



Better Technology - Coaxial magnetron, solid state IGBT modulator, and integrated low noise receiver front end, provision for future capabilities such as dual polarity operation.

Better Performance - The low noise receiver front end, and digital signal processor provide superior stability.

Better View Of The Weather - Receiver sensitivity plus velocity based clutter filters with up to 40 dB clutter rejection mean the you can clearly "see" all weather to the maximum range.

Better Compatibility - Output data in NIDS level 3 format is compatible with most weather graphics software - you are not tied to one particular graphics software package.

Cost Effective - The stable proven solid state design adds up to a system with low initial cost, and low operating cost.

RDR Doppler Weather Radar - Key Specifications

Basic Features - All Models

- Coaxial magnetron transmitter technology
- 250,000 Watts peak power
- Maximum average power: 236 W (velocity mode)
- Solid state IGBT modulator
- Integrated low noise front end
- FCC Type Accepted for sale/use in the US

RDR 250

- PRF selectable 310, 786 or 1180
- Pulse width selectable 0.8 μ sec or 2.0 μ sec
- Maximum sensitivity -6.6 dBZ at 200 km range (with 4.3 m antenna)
- Maximum unambiguous velocity 16 m/s at 100 km, plus 2X velocity unfolding available
- REI analog receiver and digital signal processor
- 2.4 m center feed antenna, 3.7 m radome
- Data output in NIDS level 3 format
- Options:
 - 4.3 m center feed antenna with 5.5 m radome

RDR 250-GC

- PRF adjustable from 250 to 2400
- Pulse width selectable 0.4, 0.8 or 2.0 μ sec
- Digital receiver/signal processor
- Maximum sensitivity -9.6 dBZ at 200 km range
- 4.3 m center feed antenna; Long life DC servo motors, sealed gear boxes, 5.5 m radome
- Choice of sophisticated analysis software packages

Options

- 4.3 m offset feed antenna with 6.7 m radome
- Software for hydrology, wind shear detection, composite imaging, image data distribution, etc.
- Networking of multiple radars
- Output data in NIDS 3 format
- Dual polarity operation