

BendixKing.
by Honeywell

RDR 2000 & RDR 2100

WEATHER HAZARD AVOIDANCE WITH VERTICAL PROFILE TECHNOLOGY

SEE WHAT'S AHEAD





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ADVANCED WEATHER HAZARD DETECTION



BendixKing's RDR 2000 & RDR 2100 robust weather radar systems utilize proven digital weather avoidance technology, including a more complete picture of the storm thanks to BendixKing Vertical Profile mode. The intuitive colors used by the radar system paint a vivid picture of the weather, making it easy for you to avoid dangerous weather systems. Using Sensitivity Time Logic, the system correlates target distance with intensity, and its attenuation compensation reduces shadowing. Four vibrant colors (green, yellow, red, magenta) depict the weather intensity.

VERTICAL PROFILE

While any radar can give you a lateral picture of a storm, BendixKing's industry-first Vertical Profile delivers a vertical picture, allowing you to see what other radars can't. A simple press of a button allows you to analyze a storm segment vertically, giving you the information you need to determine the scope of the storm. Monitor the tops of cells to see how quickly the storm is building. Check the angle of a cell's leading edge to see direction of movement. Vertical Profile also helps you recognize the difference between weather and ground returns.

ANTENNA STABILIZATION

Antenna stabilization, an electro-mechanical means of maintaining a selected beam relative to the earth's horizon, keeps your screen clear of ground returns during moderate aircraft maneuvers. Select from two antennas, 10-inch or 12-inch, to fit a wide variety of airframe applications. The RDR 2000 & RDR 2100 systems accept ARINC 429 digital AHRS or analog roll and pitch attitude.

EXTENDED POWER WITH RDR 2100

While the RDR 2000 provides the high reliability and quality you'd expect from BendixKing, the RDR 2100 adds 50% more power, 120° scan and a 320 NM display range, allowing you to see dramatically increased coverage area.

Additional RDR 2100 features include:

- Auto range limiting – alerts you to areas that radar energy cannot penetrate
- Sector scans – allows you to reduce the scan time to concentrate on the area you most want to review
- Auto tilt – automatically manages tilt angle to compensate for flight level changes

With over 14,000 systems sold and an average reliability of over 5,700 flight hours, the **RDR 2000 & RDR 2100** are used by more aircraft operators than any other weather radar in the world.

- Cost effective, high performance radar for fixed-wing and helicopter operators
- Target Alert ensures pilots are aware of weather hazards that may not be on the display due to range setting
- Ground Map offers a secondary navigation aid, perfect for shoreline mapping
- Compact and light weight – 10lbs

WHY BENDIXKING BY HONEYWELL?

- Over 50 years of providing aviation weather radar technology
- Leader in general aviation, business jet, air transport and military weather radars
- Global service and support network (24/7/365)

RDR 2000 Weather Radar Specifications

Power Requirements	28 VDC 3.0A
Output (nominal)	4.0 KW
Antenna Size	10 in., 12 in.
Scan Angle	90°/100°
Tilt Angle	± 15°
VP Scan Angle	± 30°
Antenna Scan Rate	25°/second
Weather Avoidance	240 NM, 12" typical
Pulse Width	4 microseconds
Weight	9.9 lbs. (4.5 kg)
Max Altitude	55,000 ft. unpressurized
TSO Compliance	C63c Class 7

RDR 2100 Weather Radar Specifications

Power Requirements	28 VDC 3.0A
Output (nominal)	6.0 KW
Antenna Size	10 in., 12 in.
Scan Angle	90°/100°/120°
Tilt Angle	± 15°
VP Scan Angle	± 30°
Antenna Scan Rate	25°/second
Weather Avoidance	240 NM, 12" typical
Pulse Width	4 microseconds
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