

Ultra-Wideband Antenna Array

The electronically scanning antenna array allows efficient and accurate 3-dimensional data acquisition for applications such as utility mapping, road, railway and airfield inspection. With the Multi-Offset option, the user can program advanced scanning patterns such as CMP (Common Mid Point) recording for wave velocity estimation.



Model B1823 is a 1.8 meter wide antenna array with 23 antenna elements designed for use with the GeoScope™ 3-dimensional Ground Penetrating Radar.

Model B1831 is a 1.8 meter wide antenna array with 31 antenna elements designed for use with the GeoScope™ 3-dimensional Ground Penetrating Radar.

Specifications	B1823	B1831
Frequency range:	100 MHz - 2000 MHz	150 MHz - 2000 MHz
Antenna elements:	Bow-tie monopole antennas (10cm offset distance)	Bow-tie monopole antennas (10cm offset distance)
Number of elements:	23 transmit/receive antenna pairs	31 transmit/receive antenna pairs
Antenna separation:	75 mm (cross-line)	55 mm (cross-line)
Effective scan width:	1650 mm	1650 mm
Scanning:	Electronically scanning	Electronically scanning
Direct wave suppression:	> 35 dB	> 35 dB
Polarization:	Linear	Linear
Sealing:	IP64	IP64
Size & Weight:	1810 x 665 x 350 mm, 45 kg	1810 x 540 x 290 mm, 37 kg
Shipping container (option):	1855 x 710 x 400 mm, 37 kg	1860 x 610 x 370 mm, 35 kg

Accessories (B1823/1831): 4-wheel lightweight trailer. Programmable Spray Paint Marker Device. 6 meter antenna cable.

3D-RADAR
 ...the ground is no limit

3D-RADAR AS

Kløbuveien 196 B
 N-7037 Trondheim
 Norway

Tel +47 7289 3200
 Fax +47 7289 3201

sales@3d-radar.com
 www.3d-radar.com

3D-RADAR
 a Curtiss-Wright Company