



LEONARDO Germany GmbH

METEOR 60DX

Weather Radar





Technical Data

Mode	Doppler, Dual Polarization
Operating Frequency Range	9300 – 9500 MHz (X-Band)
Typical Operational Range/ Technical Range	100 km / 600 km
Maximum Doppler Velocity	± 96 m/s
System Phase Stability	$\leq 0.5^\circ$
Transmitter Type	Coaxial Magnetron with solid state, switched modulator
Peak Power	75 KW
Noise Figure (Total Receiver)	≤ 2.5 dB

METEOR 60DX Weather Radar

The METEOR 60DX sets the benchmark in cost efficient, high-end X-Band weather radar technology.

With its ultra compact design and receiver/transmitter over-elevation configuration, the 60DX is suitable both for fixed installation and mobile applications. The innovative mobility option is based on a trailer approved for road service in Europe and most countries worldwide.

With dual polarization as a standard feature, the magnetron based system is a fully fledged high-end weather radar system, which delivers high quality data for a large variety of applications. The METEOR 60DX can be used for regional campaigns in hydrological forecasting and scientific research, as a gap-filler in existing meteorological networks or to fulfil general meteorological functions in the X-Band range.

METEOR 60DX Highlights

- All METEOR high-end features in compact design
- Full METEOR system capabilities at X-Band price
- Dual Polarization capability is a STANDARD feature
- Proven magnetron technology
- Improved range resolution and scanning speed through multi-trip echo recovery
- X-Band advantage: Optimized for maximum sensitivity in short to medium ranges
- Suitable for fixed installation and mobile applications
- Trailer-based mobility solution is officially approved for road service according to EU law
- Mobile radar operation is independent from fixed electricity and telco networks
- Trailer can be towed by most SUVs

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