LEONARDO Germany GmbH

METEOR 735C

WEATHER RADAR

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TECHNICAL DATA

Mode	Doppler, Dual-Polarization
Operating Frequency Range	5430–5750 MHz (C-Band)
Typical Operational Range/ Technical Range	200 km / 600 km
Maximum Doppler Velocity	± 128 m/s
System Phase Stability	≤ 0.15°
Transmitter Type	Coaxial Magnetron with solid state, IGBT-switched modulator
Peak Power	400 KW
Noise Figure (Total Receiver)	≤ 2.0 dB

METEOR 735C
WEATHER RADAR

The METEOR 735C weather radar sets the benchmark in weather radar technology and cost effectiveness. The system is particularly suitable for meteorological services covering moderate distances and precipitation conditions in mid-latitude regions like Europe, North-America and northern Asia.

The METEOR 735C combines cutting-edge technologies with straight-forward and reliable implementation. The system is supplied with GDRX® 5 Digital Receiver & Signal Processor and Rainbow® 5, the most up-to-date radar software package for meteorological users. This ensures optimum data quality for the accurate measurement of rain rates, precise detection of severe weather phenomena as well as tracking and nowcasting of such events.

METEOR 735C
HIGHLIGHTS

- High-end Doppler weather radar with unparalleled price-performance ratio
- Proven magnetron technology
- Graceful degradation modulator
- EU Radio Equipment Directive (RED) compliance due to proprietary high-power filter technology
- Minimization of lifecycle costs due to high reliability
- Improved range resolution and scanning speed through multi-trip echo recovery
- Optimized for high sensitivity in the medium to long range
- Simultaneous Dual Polarization capability with a minimum loss of sensitivity due to increased transmitter peak power

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