

# BECKER COM

## COMMUNICATION



### BECKER GK 415 mobile VHF-Transceiver

■ BECKER presents – according to its tradition for light-weight and also efficient and sturdy avionics – the BECKER GK 415, a mobile VHF-Transceiver with the AR 4201.

The GK 415 is the ideal small portable basestation – because of its compact size, its sturdiness and its great efficiency – for use on small airfields, in balloons or in vehicles.

Based on modern technology in the production (SMD) we reached optimal performance concentrated in a small unit. The BECKER AR 4201 has an output of 5 – 7 Watts (16 W PEP) and offers 760 channels, which means that even for long distances the equipment guarantees perfect communication.

A standby frequency and 99 memory channels can be easily programmed and recalled. The BECKER GK 415 has panel-lighting and automatic test-routine as standard functions.

The large, clear and dazzle-free LC display shows the active frequency and either the standby frequency, memory channel, outside-temperature or supply-voltage. The nicely shaped and sturdy aluminum case integrates a dry-lead-acid battery (12 V 2.2 Ah) which can be easily charged via a socket located on the front panel. This integrated charging circuit allows the operation from 10 to 32 V.

The basic equipment includes: microphone, dry- lead-acid battery, charging device, antenna, carrying belt, handle and carrying bag and also a vehicle mounting device. That means that the unit is complete and operational as soon as it is delivered.

Avionic Systems from BECKER – our know how for your safety. ■

**BECKER**  
AVIONIC SYSTEMS

## BECKER GK 415 Mobile VHF-Transceiver

### Technical Data:

■ Supply Voltage:	external 10.0 – 32.0 VDC via Charging Device for 115/230 V, AC internal 12 V, 2.2 Ah Dry-lead-acid battery	■ ZF-Bandwidth: Selectivity:	> 8 kHz at 6 dB > 60 dB for 25 kHz
■ Power Consumption: Receive Current: Transmit Current:	< 70 mA < 2.5 A	■ Transmit Output:	> 5 Watt Carrier 16 Watt PEP
■ Frequency Range: Frequency Channels: Channel Spacing: Memories:	118.000 – 136.975 MHz 760 25 kHz 99	■ Audio Output: Dynamic Microphone:	> 3 Watt into 4 Ω < 2 mV sym. into 150 Ω
■ Storage Temperature: Operating Temperature: maximum Altitude:	– 55 °C ... + 85 °C – 20 °C ... + 55 °C 50000 ft	■ Standard Delivery:	VHF-Transceiver, Microphone, Dry-lead- acid battery, Charging device, Antenna, Carry- ing belt, Carrying bag, Vehicle mounting
■ Sensitivity:	< 1.5 µV at 6 dB (S+N)/N		

### Dimensions and weight:

■ Height:	85.0 mm	■ Depth:	277.0 mm
Width:	165.0 mm	Weight:	appr. 4.00 kg

### Certifications:

■ JTSO - 2C37d, ED-23 A, Equipment Class 4 JTSO - 2C38d, ED-23 A, Equipment Class C EUROCAE/RTCA ED-14C/DO-160 C EUROCAE/RTCA ED-12A/DO-178 BZT: A 107 417 D LB LBA.O.10.911/87 JTSO	Groundstation: ■ BZT A113272E, LO DFS B-7847/94
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