



Watt
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ETSI

Mobile
VHF

GK615 & GK616

Portable VHF Stations

Overview

Compact and robust, the Becker Avionics GK615 and GK616 portable VHF radios offer a smart and easy solution for mobile and backup communications for airport authorities and air traffic services.

Available in several RF power output variants with assorted accessories.

Designed for operations at airfields and airports in a very demanding environment, the GK615 and GK616 portable VHF stations offer latest technology and support all frequency channels in the aeronautical frequency range, adjustable in 8.33 and 25 kHz steps.

A user friendly operator menu with extensive setup possibilities allow a very personal setup for the user.

The large, clear and dazzle-free LC display shows the active frequency and either the standby frequency or memory channel.

With an output power of 6 W or 10 W, the transmitter is strong enough for medium range communications, ensuring a low cost of ownership for the customer. The robust aluminium case includes dry-lead-acid battery technology, charging can be easily accessed via a socket located on the front panel.

The GK615 and GK616 transceivers are also available with an EASA/FAA certified aircraft radio, ideally suited for hot air balloons or as emergency aircraft radios.

Features

- Power output: 6 W or 10 W
- Battery or mains operation (socket for battery charging on front panel)
- Channel spacing: 8.33 and 25 kHz
- Frequency range: 118.000-136.990 MHz
- Dual watch function ("SCAN Mode" for monitoring a second frequency).
- Emergency mode
- 4 fully configurable audio outputs
- Selectable and adjustable squelch levels
- 99 free editable memory channels
- Non-volatile memory
- Compliant with ETSI standards and type approved for ATM applications
- EASA/FAA certified variants for airborne usage
- Wide range of accessories:
 - Antennas
 - Microphones and speaker
 - Mounting, carry equipment e.g. for car mounting



GK615 / GK616 with accessories



LIGHT&SPORT AVIATION



BUSINESS&COMMERCIAL AVIATION



SPECIAL MISSIONS



AIR TRAFFIC MANAGEMENT



GK615 / GK616 with accessories

Technical Data

	Specification			
	Airborne application		Ground-based application	
	GK615	GK616	GK615-E	GK616-E
Supply voltage	external 10...32 VDC via charging device for 115/230 VAC DC power source (car battery)			
Frequency range	118.000...136.9916 MHz			
Channel spacing	8.33 / 25 kHz			
Number of channels	760 (25 kHz mode) 2280 (8.33 kHz mode)			
Frequency stability	< 5 ppm		< 1 ppm	
Storage temperature	-55...+85 °C			
Operating temperature	-20...+55 °C			
Maximum altitude	35 000 ft		N/A	
Transmitter				
Output power	≥ 6 W @ into 50 Ω	≥ 10 W @ into 50 Ω at 24 VDC	≥ 6 W @ into 50 Ω	≥ 10 W @ into 50 Ω at 24 VDC
Type of modulation	A3E (amplitude modulation)			
Modulation	≥ 70%	≥ 70%	≥ 85%	≥ 85%
Modulation input	Dyn. Microphone			
Receiver				
Sensitivity	≤ -101 dBm for (S+N/N) ratio of 6 dB		≤ -101 dBm for a SINAD of 12 dB	
Squelch	Trigger level is adjustable			
Audio output	≥ 4 W into 4 Ω ≥ 100 mW into 600 Ω			
Dimensions HxWxD	85 x 165 x 277 mm			
Weight	≤ 4 kg	≤ 6.5 kg	≤ 4 kg	≤ 6.5 kg
Standards	based on AR6201: ETSO-2C37e, ED-23B Equip. Class D, 4 ETSO-2C38e, ED-23B Equip. Class E, 6 EUROCAE/RTCA ED-14E/DO-160E EUROCAE/RTCA ED-12B/DO-178B	based on AR6201: ETSO-2C37e, ED-23B Equip. Class D, 5 ETSO-2C38e, ED-23B Equip. Class E, 7 EUROCAE/RTCA ED-14E/DO-160E EUROCAE/RTCA ED-12B/DO-178B	based on GT6201: ETSI EN 300 676 ETSI EN 301 489 EN 62311, 1999/519/EC IEC 60950-1 EN 60950-1	based on GT6201: ETSI EN 300 676 ETSI EN 301 489 EN 62311, 1999/519/EC IEC 60950-1 EN 60950-2