



BECKER COMPACT LINE

KOMMUNIKATION & NAVIGATION



AR 4201 VHF-AM-Transceiver

■ The new, extremely small and light-weight transceiver offers 760 channels and is certified for use in VFR and IFR equipped aircraft.

Even smaller and lighter than its forerunner – the legendary AR 3201 – it is ideal for installation in gliders, motor gliders and small aircraft due to its low power requirement and 2 1/4 inch round panel cutout. Due to the implementation of the most modern technology it has been possible to minimise the depth of the module, including the connector, to less than 9 inches.

The equipment has an output of 5 – 7 Watts carrier (16 W PEP). A standby frequency and 99 memories can be easily programmed and recalled. The AR 4201 has intercom, panel-lighting, voltage indicator, an AF-input as well as an automatic test-routine as standard functions.

Two dynamic and two standard microphones can be connected without any alterations. The clear display shows the active frequency and either the standby frequency, the memory channel used or the supply voltage and also the external temperature (with the optional temperature sensor).

Using the RS-232 interface, all functions can be remotely operated. With this standard feature the AR 4201 can be easily integrated in future BECKER Avionic Systems.

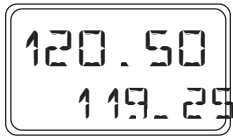
This equipment is useful in a wide range of aircraft and is also optimal for use at flying schools and flying clubs, who place a lot of value on quick, safe and simple operation. ■

BECKER
AVIONIC SYSTEMS

Becker Flugfunkwerk GmbH

AR 4201 VHF-AM-Transceiver

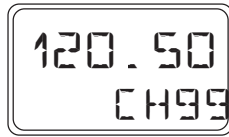
Operational Modes:



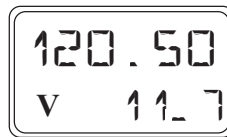
Active-

Standby

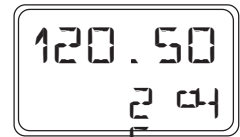
Frequency



Channel



Supply Voltage



External
Temperature
(optional)

Technical Data:

■ Supply Voltage:	12,4 – 15,1 V
Minimum Voltage:	10,0 V
Standby Current:	< 70 mA
Transmit Current:	< 2,5 A
■ Frequency Range:	118,000–136,975 MHz
Frequency Channels:	760
Channel Spacing:	25 kHz
Memories:	99
■ Storage Temp.:	– 55 °C ... + 85 °C
Operating Temp.:	– 20 °C ... + 55 °C
Maximum Altitude:	50.000 ft
Sensitivity:	< 1,5 µV for 6 dB (S+N)/N
Bandwidth:	> 8 kHz for 6 dB

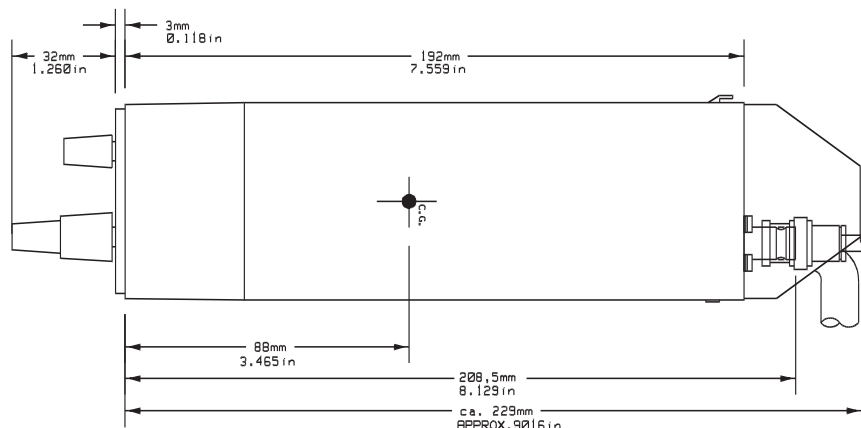
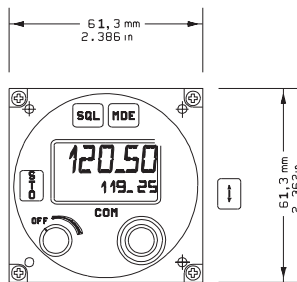
Selectivity:	> 60 dB for 25 kHz
Transmit Output:	> 5 Watt Carrier 16 Watt PEP
Audio Output:	> 3 Watt into 4 Ω
Phon Output:	> 100 mW into 600 Ω
Dynamic Mike:	< 2 mV sym. into 150 Ω
Standard Mike:	> 100 mV into 100 Ω
■ AF-Auxiliary Input:	1 V – 8 V into 600 Ω
Digital-Voltmeter:	7 V – 15 V
Digital-Thermometer (option):	– 20 °C...+ 55 °C

■ Certifications:

JTSO - 2C37d, ED-23A, Equipment Class 4
 JTSO - 2C38d, ED-23A, Equipment Class C
 EUROCAE/RTCA ED-14C/DO-160 C
 EUROCAE/RTCA ED-12A/DO-178A
 BZT: A 107 417 D LB

Dimensions:

■ Width: 61,3 mm / 2,386 inch	Depth: 192,0 mm / 7,559 inch (229,0 mm / 9,016 inch with connector)
Height: 61,3 mm / 2,386 inch	Weight: 0,67 kg / 1,47 lbs



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