



VHF/ AM Transceiver

TG660 mod. GT6201-10AR ATC



A new Multichannel VHF Transceiver for Ground to Air Communication at Airfields, Airports, Airlines and Control Centres.
6 or 10 Watt carrier output power (35 W PEP @ 85% Modulation)

General features:

- Frequency range: 118 - 137 MHz
- Fully compatible with 8.33 kHz Channel spacing, requirements
- Local and Remote control operation
- Digital Signal Processing
- Built in Test (Bite)
- Balanced Audio Interface
- Isolated PTT and SQUELCH control
- Balanced Voice Recording Output

Options:

Built in battery for emergency operation
RoIP (VoIP) Interface

Available versions:

- TG660-05 VHF-AM Transceiver 118-137 MHz 25/8,33 KHz, 6W
A-No: 0635.367 926
- TG660-10 VHF-AM Transceiver 118-137 MHz 25/8,33 KHz, 10W
A-No: 0635.375 926

VHF/ AM Transceiver

TG660 mod. GT6201-10AR ATC

General data:

- Frequency range: 118,00-136,980 MHz
- Channel spacing: 25 kHz / 8.33 kHz, automatically selected
- Modulation type: AM, A3EJN
- AC-Power: 90 VAC 250 VAC, 45 Hz 65 Hz
- DC-Power external: Nominal: 24 VDC
Range: 21 V DC...31 V DC
- RF Antenna connection: N-Connector female
- Warm up time: 5 sec.
- Duty cycle: RX/TX: 4 : 1
- Voice recorder output: -6 dBm, +3 / -12 dB @ 600 Ω, balanced
- Environmental data:
Temperature range: Operating -20°C 55°C
Storage -55°C 85°C
Humidity: 48h, 50°C, 95% RH, without condensation
- Dimensions (WxDxH):
Case: 428 x 280 x 86,5 mm
19" Unit: 482,6 x 280 x 88,1 mm
- Weight: 4,5 kg without Battery
6,5 kg with int. Battery

Transmitter data:

- Output Power: 6 or 10 W carrier,
35 W PEP @ 85% Mod.
- Frequency stability: ± 1 ppm
- Protection of the transmitter: VSWR = 6
without any damage
- Modulation depth: 85%
- Modulation distortion: 10%
- AF-Response: 350 Hz 2500 Hz (8.33 kHz)
2 dB ≥ ripple ≥ -4 dB,
reference 0 dB @ 1 kHz
- Adjacent channel power: 50 dB (8.33 kHz),
60 dB (25 kHz)
- AF-Line input level: -20 dBm to 10 dBm adjustable
- AF-Line input impedance: 600 Ω +/- 10%, balanced
- Locale Mike sensitivity (Dynamic Mike) 2 mV to 10 mV @ 200 Ω,
balanced

Receiver data:

- Sensitivity (Mod. Depth 30%): -101 dBm for 12 dB SINAD
- Effective bandwidth: ≥ 2.8 kHz for 8.33 kHz Channel
≥ 8.5 kHz for 25 kHz Channel
- AF-Response: 350 Hz 2500 Hz (8.33 kHz)
2 dB ≥ ripple ≥ -4 dB,
reference 0 dB @ 1kHz
350 Hz 3400 Hz (25 kHz)
2 dB ≥ ripple ≥ -4 dB,
reference 0 dB @ 1kHz
- Adjacent channel rejection: ≥ 60 dB
- Spurious response rejection: ≥ 70 dB
- Intermodulation response rejection: ≥ 70 dB
- Blocking or desensitisation: ≥ 80 dB
- Cross modulation rejection: ≥ 80 dB
- Squelch operation: 6 dB S+N/N 12 dB,
software adjustable
Override level -85 dBm
≥ 40 dB S+N/N @ -13 dBm
- Audio noise: -101 dBm RF level 10 dBm
- RF-Input level range: 6 dB AF variation for 100 dB
RF variation
- AF-AGC for 30% m 90%: AF-Level variation 1.5 dB
- AF-Line output level: -20 dBm to 10 dBm,
adjustable with internal
potentiometer
- AF-Line output impedance: 600 Ω +/- 10%, balanced
- Local headphone output power: ≥ 1,5V@ 600 Ohm,
unbalanced, Volume control
at the front panel
- Ext./Int. speaker power: ≥ 4 W sinus @ 4 Ω, Volume
Control at the front panel

Authorized Partner

NOVEL
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