

FSG7016 UHF AM Hand Held Transceiver

	<p>FSG-7016 TECHNICAL SPECIFICATIONS</p> <p>Leading Particulars</p> <p>Frequency Range: 225.000 MHz to 399.975 MHz = 7,000 channels Frequency Selection: 16 preset channels Transmitter outputs: 3 selectable 1W, 0.4 W, or 0.1 W. Operating Mode: Simplex Modulation: AM A3E, 350 - 3,000 Hz Power Supply: Detachable, rechargeable 12 Vdc nickel-cadmium battery pack, 1,400 mAh, with built-in temperature sensor. External 10 Vdc to 15 Vdc via 10-pole accessory connector, input current 1.2A maximum. Switched 12 Vdc output for attached accessories, drain 150Ma maximum. Input Current: Standby (Standby): 42 Ma, RX: 150 am, TX: 0.4- 1.2 A</p> <p>Transmitter Characteristics:</p> <p>Power Output: Preset 0.1 W /0.4 W /1.0 W or RX mode only, programmed together with channel frequency. Frequency Accuracy: ± 2.5 ppm (max. ± 1 kHz), 0°C to +40o/32°F to 104°F ± 5 ppm (max. ± 2 kHz), -20°C to +60°C/-4°F to 140°F Spurious/Harmonic Radiation: -60 dBc/50 Ohm Carrier Noise level: ≈ 40 dB, 1 kHz, 75% modulation Adjacent Channel Suppression: ≥ -75 dB at $\geq +25$ kHz, 60% mod. +10 dB/1,250 Hz Modulation AF Response: 350- 3,000 Hz ≤ -6 dB (0 dB = 1 kHz) Modulation Distortion: $\leq 10\%$ at 90% modulation, 400 Hz ... 3,000 Hz Modulation Capability: Built-in modulation compressor, 0 $\geq 80\%$ AM at 300 MHz, 0°C to +40°C / 32°F to 104 of $\geq 70\%$ AM at 225 MHz... 340 MHz, -20°C to +60°C / -4°F to 140°F Modulation AF Input level: 0.5 mV to 10 mV for $\geq 75\%$ AM, adjustable in 7 steps Duty Cycle: Transmit Time-Out- Timer limits transmission electronically to 5 minutes to save battery capacity, and to prevent blocked channel.</p> <p>Receiver Characteristics:</p> <p>Sensitivity: ≤ 1 mV / -107dBm for 6dB S+N/N Selectivity: ≈ 8 kHz/ -6 dB Spurious Frequency Rejection: ≈ -70 dB, including IF image rejection Audio Power Output: ≈ 1 W (internal speaker)</p> <p>Physical and Environmental Data:</p> <p>Overall Dimensions: 75 x 38 x 225 mm (WxDxH), without antenna 2.95" x 1.5" x 8.86" (WxDxH), without antenna 1.2 kg (2.6 lb.), including battery, removable/adjustable carrying strap and helical antenna Operating Temperature Range: -20°C to +60°C / -4°F to 140°F Slightly Degraded Performance: -30°C to +60°C / -22°F to 140°F Charging Temperature Range: +10°C to +40°C /50°F to 104°F Submersible (with antenna attached): 1.0 m (3 ft) for 30</p>
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The FSG7016 is made by Walter Dittel are used worldwide by various military and other organizations requiring a rugged and extremely reliable hand held UHF AM military band transceiver.

We can supply a full line of ancillaries including batteries, battery chargers ,antennas, microphone and spares.

We supply these sets already programmed to you choice of up to the maximum of 16 preset channels.

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