



GUARDIAN™

G25RPV100 5W Portable

G25RMV100 5W Mobile



**Turn the page for the
all new Guardian II series
from Datron**

DATRON INTRODUCES THE GUARDIAN II SERIES

Single Band VHF & UHF

- 136-174 MHz
- 380-520 MHz Continuous
- Advanced Vocoder (AMBE +2)
- 25/12.5 Khz Channel Spacing
- APCO P25 Trunking
- FIPS Certified Encryption
- IP67 Submersible
- Internal GPS Receiver
- 1024 Channels/Talkgroups
- Alphanumeric Display
- Battery Fuel Gauge
- Signal Strength Indicator



The newest addition
to the Guardian line!

TRI-BAND TRI-BAND TRI-BAND

- 136-174 Mhz
- 380-520 Mhz Continuous
- 762-870 Mhz
- Advanced Vocoder (AMBE +2)
- 25/12.5 Khz Channel Spacing
- APCO P25 Trunking
- FIPS Certified Encryption
- IP67 Submersible
- Internal GPS Receiver
- 1024 Channels/Talkgroups
- Alphanumeric Display
- Battery Fuel Gauge
- Signal Strength Indicator



GUARDIAN II
THE VITAL CONNECTION

Both Tri-Band and UHF/VHF
configurations include:

Interoperability:
Analog Narrow and Wideband
P25 Conventional
P25 Trunking

Programming:
Radio to Radio Clone
PC programming
Keyboard



- Angled volume control
- 16-position channel selector
- Emergency button shield
- Two rear collar switches
- TX/RX indicator



- Multi-line display
- Font size control
- Status icons
- Navigation keys



DATRON
Performance You Require. Value You Expect.™

Contact us at 321-541-1285 or sales@dtwc.com

www.dtwc.com

GUARDIAN II™

THE VITAL CONNECTION

The new Guardian II portable series offers the latest features and options needed today to ensure seamless interoperability for vital communications. The Tri-Band portable offers a quick solution when multiple agencies operating on different frequencies are deployed.

Quick and easy keypad programming, interoperability with all frequency bands, superior audio quality – utilizing the AMBE +2 vocoder – combine to provide every First Responder, Federal Agency or Public Safety user with the features and options needed for efficient and reliable P25 digital and analog communications.

Features & Options

- Advanced Vocoder (AMBE +2)
- 25/12.5 Khz Channel Spacing
- APCO P25 Trunking
- FIPS Certified Encryption
- IP67 Submersible
- Internal GPS Receiver
- 1024 Channels/Talkgroups
- Alphanumeric Display
- Battery Fuel Gauge
- Signal Strength Indicator

GENERAL SPECIFICATIONS	VHF	UHF	TRI-Band
Model Number	G2-150-x	G2-400-x	G2-Tri-x
Frequency Range (MHz)	136-174	380-520	136-174 380-520 762-870
Channels/Talkgroups	1024	1024	1024
Zones	64	64	64
Operating Voltage (VDC)	7.2	7.2	7.2
Channel Spacing (KHz)	25/12.5	25/12.5	25/12.5
Operating Temperature	-30 to + 60 C	-30 to + 60 C	-30 to + 60 C
Dimensions (WxDxH)	2.5x1.8x6.3	2.5x1.8x6.3	2.5x1.8x7.5
RECEIVER			
Sensitivity	-121dBm	-121dBm	-121dBm
Digital P-25 Sensitivity	-121dBm	-121dBm	-121dBm
Adjacent Channel Rejection (W/N)	75/60dB	70/60dB	70/60dB
TIA/EIA603 2.1.6			
Digital P-25 Adjacent Channel Rejection	-60dB	-60dB	-60dB
Spurious and Image	>81dB	>75dB	>75dB
Intermodulation Rejection	>78dB	>75dB	>75dB
FM Hum and Noise (W/N)	-45/45dB	-45/40dB	-45/40dB
Audio Output @ 8Ω	1w	1w	1w
Audio Distortion (at 500 mW)	<2%	<2%	<2%

TRANSMITTER	VHF	UHF	TRI-Band
RF Power (W)	0.1/0.5/1/2/5	0.1/0.5/1/2/5	0.1/0.5/1/2/5
Frequency Stability	±1ppm	±1ppm	±1ppm
Spurious and Harmonics	-65dBc	-65dBc	-65dBc
FM Hum and Noise	-50/45dB	-50/45dB	-50/45dB
Audio Distortion	<3%	<3%	<3%

ENVIRONMENTAL	MIL 810C	MIL 810D	MIL 810E	MIL 810F
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV
Immersion	512.1/Procedure I	512.2/Procedure I	512.3/Procedure I	512.4/Procedure I

AUDIO ACCESSORIES	
G2SP001	Speaker Microphone
G2HS001	Headset
G2SKIT01	Surveillance Kit

BATTERIES	
G2BP001	Li Polymer
G2BP002	NIMH
G2BP003	Alkaline Clamshell
CHARGERS	
G2BC1	Single Unit
G2BC6	Six Unit Gang Charger

Hand-set options



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