

Motorola P165 & P185

Portable Two-Way Radios





P185

Easy-to-handle, lightweight, compact design.

Tough construction and reliable performance thanks to Motorola's unique Accelerated Life Testing (ALT)

High power 5 watt (VHF) / 4 watt (UHF) adjustable power levels help extend battery life.

Multi-channel capability - 99 channels to support communication amongst all your employees.

Standard Lilon battery provides up to 11 hours of battery life at high power (5/5/90 duty cycle) to meet the demands of your employee's work shift. A high-capacity Lilon battery option is available for those with longer shift requirements or increased communication needs.

Tighter specifications provide **enhanced rejection of interference** so you can get your message through clearly. X-Pand technology provides **crisp, clear and strong audio quality**.

5 programmable buttons enabling easy, one-touch access to up to 10 user selected features.

VOX ready for **hands-free communication** using a suitable headset.

Built-in simple voice scrambling for

increased privacy (programmable feature).

Built-in DTMF signaling provides caller identification and private communication.

User programmable

feature allows customisation of radio profiles while on the go.

Talkaround capability enabling communication even when a repeater is

not being used.

Rapid-rate drop-in charging - charge standard capacity batteries in less than 3 hours with the single unit charger. Get the most from your radio using the wide range of Motorola Original® accessories: microphones, earpieces, carry cases, a high capacity battery and more allow the user to match the radio to their needs.

Remote Speaker Microphones can be clipped to a lapel or pocket, allowing messages to be sent and received more easily.

Earpieces and headsets let you keep your hands free without missing messages.

Carry cases let you put the radio on your belt and help prevent damage.

High capacity battery means longer run-times between recharging.

Enhanced functionality, reliable communication

Easy and prompt communication with your workforce is vital to improving response time, strengthening employee efficiency and increasing customer satisfaction. Motorola's two-way radios provide a durable, high-quality voice communication solution that helps your business increase productivity and provide excellent customer service. Ideal for light manufacturing, retail, hospitality services.

property and real estate management. The Motorola P165 and P185 portable radios bring you quality features you need at a competitive price. With an extensive feature set and ergonomic shape for comfortable use in a durable, lightweight, compact design, you can enhance communication while increasing efficiency and productivity.

General Specification	ons										
		P165 & P185									
		VHF				UHF					
Frequency Range		136-174MHz						403-447MHz 435-470MHz			
Channel Capacity		435-4/0MHz 99 CH									
Channel Spacing		12.5/20/25 kHz switchable								•	
Operating Temperature Range		-20°C to +55°C									
Storage Temperature Range		-40°C to +85°C								•	
Dimensions (H X W X D) with Lilon battery NiMH battery High Capacity Lilon battery		120 x 55 x 35.5 mm 120 x 55 x 36.5 mm 120 x 55 x 40.7 mm									
Weight with Lilon battery NiMH battery High Capacity Lilon battery		336g 396g 340g									
Average Battery Life @5-5-90% Duty Lilon battery NiMH battery High Capacity Lilon battery	High Power up to 11 hrs up to 9 hrs up to 16 hrs										
Sealing					Rated IP54 - protec	ted against harm fro	m dust or water spr	ay			
Shock & Vibration				Diecast	oody with impact re	sistant polycarbonate	e housing, Meets N	1IL-STD810			
Dust & Humidity		Weather resistant housing Meets MIL-STD810									
Transmitter											
RF Output		High Pov	ver 5W	Low Po	ower 1W	High Po	ower 4W		Low Power 1W		
Spurs and Harmonics						9kHz - 1GHz <-36dB >1GHz < -30dBm	ßm				
requency Stability (-20°C to +55°C)						1.5 kHz @ 12.5 kH: 2.0 kHz @ 20/25 kH				• • • • • • • • • • • • • • • • • • • •	
Modulation Limiting		≤ ± 5KHz @ 25KHz ≤ ± 4KHz @ 20KHz ≤ ± 2.5KHz @ 12.5KHz									
Audio Response (from 6dB/oct pre-emphasis, 300-3000Hz)		≤+1/-3dB									
Audio Distortion @ 1kHz tone, 60% ra	ated max dev.					<5%		. •		•••••	
Receiver											
Sensitivity (20dB SINAD)					< :	-107 dBm (1µV/50 C	Ohm)				
Adjacent Channel Selectivity		>70dB (20kHz/25kHz), >65dB (12.5kHz)									
Intermodulation		>65dB									
Spurious Rejection	>70dB										
Audio Distortion	<5%										
Conducted Emission	< -57dBm for below 1GHz < -47dBm for above 1GHz										
						500mW (at 24 Ohn	n)	. •		•••••	
Audio Output @ <5% Distortion											
Military Standards	81	0C		810D	8	10E	8	10F	81	0G	
Military Standards	81 Methods	0C Proc./Cat.	Methods	810D Proc./Cat.	8 Methods	10E Proc./Cat.	8 Methods	10F Proc./Cat.	81 Methods	0G Proc./Cat	
Audio Output @ <5% Distortion Military Standards Applicable MIL-STD Low Pressure		;·····		··· <u> </u>	•	· ? · · · · · · · · · · · · · · · · · ·	· } ·····	· / · · · · · · · · · · · · · · · · · ·	;	· · · · · · · · · · · · · · · · · · ·	

Applicable MIL-STD	810C		810D		810E		810F		810G	
	Methods	Proc./Cat.	Methods	Proc./Cat.	Methods	Proc./Cat.	Methods	Proc./Cat.	Methods	Proc./Cat.
Low Pressure	501.1	I	500.2	П	500.3	П	500.4	II	505.5	11
High Temperature	501.1	1, 11	501.2	I/A1,II/A1	501.3	I/A1,II/A1	501.4	I/Hot,II/Hot	501.5	I/Hot A1, II/Hot (A1)
Low Temperature	502.1	ı	502.2	I/C3,II/C1	502.3	I/C3,II/C1	502.4	I/C3,II/C1	502.5	I/C3,II/C1
Temp. Shock	503.1	-	503.2	I/A1C3	503.3	I/C1A3	503.4	I.	503.5	I/C
Solar Radiation	505.1	II	505.2	1	505.3	l l	505.4	l l	505.5	I.
Rain	506.1	1, 11	506.2	1, 11	506.3	1, 11	506.4	1, 111	506.5	1, 111
Humidity	507.1	П	507.2	П	507.3	П	507.4	-	507.5	-
Salt Fog	509.1	-	509.2	-	509.3	-	509.4	-	509.5	-
Blowing Dust	510.1	ı	510.2	ı	510.3	I	510.4	I	510.5	ı
Blowing Sand	-	-	510.2	П	510.3	II	510.4	П	510.5	II
Vibration	514.2	VIII/F, Curve-W	514.3	I/10,II/3	514.4	l/10,ll/3	514.5	1/24	514.6	1/24
Shock	516.2	1, 11	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.6	I, IV

^{*} Availability subject to individual country's law and regulations. Radios meet applicable regulatory requirements. All specifications listed are typical and are subject to change without notice. Specifications are issued for guidance only. Conforms to R&TTE directive 1999/5/EC

To ensure compliance with RF energy exposure standards and regulations, use only Motorola-approved batteries and accessories.

Contact your local Motorola Authorised Dealer to find out more about how communicating with Motorola radios will benefit your organisation.

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For more information please contact your local Motorola Authorised Dealer or Distributor