

Comparison of Features Johari IF-5000 versus Phoenix Medical Devices PMD-4000 Quartet™

Johari IF-5000 Combination Stimulator			Phoenix Medical Devices PMD-4000 Quartet™	
Parameter	Labeling Specification	Actual Specification	Labeling Specification	Actual Specification
Interferential				
Amplitude	40 V peak-to-peak	31.1V P2P / 16.2V RMS ¹	50 V peak-to-peak	48.4V P2P RMS / 24.2V RMS
Low	1 - 10 Hz (Sweep)	26 Hz to 35 Hz ¹	1 - 10 Hz (Abrupt)	1 - 10 Hz ± 1Hz
High	80 - 150 Hz (Sweep)	101Hz – 172Hz ¹	80 - 150 Hz (Sweep)	80 - 150 Hz ± 2Hz
Wide	1 - 250 Hz (Sweep)	16Hz – 279Hz ¹	1 - 150 Hz (Sweep)	1 – 150 Hz ± 2Hz
Russian Stim				
Rate	2500Hz (Ch 1&3) 2550Hz (Ch 2&4)	2565Hz (Ch 1&3) 3697Hz (Ch 2&4) ¹	1000Hz all channels	1000 Hz ± 2Hz
Rate	N/A		2500Hz all channels	2500 Hz ± 2Hz
Therapy Protocols		Johari IF-5000	Phoenix Medical Quartet	
Interferential Stimulation		4	10	
Conventional Muscle Stimulation		1 default and adjustable parameters	4	
Russian Muscle Stimulation		1 default and adjustable parameters	2	
Sequential Stimulation		0	3	
TENS Stimulation		3	1	
Safety Features				
Digital Patient Watchdog ²		No	Yes	
Therapy Lockout		Yes	Yes	
Intra-Therapy Amplitude Lockout ³		No	Yes	
NMS Phase Indicator ⁴		Yes – Visual only	Yes – Visual and Audible	
Clinician Selectable Amplitude Limit ⁵		No	Yes	
Pause & Resume		Yes	Yes	
Auto Off		No	Yes	
Convenience Features				
Control of Channel Amplitude		Individual Channel Control ONLY	All, Pair or Individual Channel Control	
Power Supply		4 NiMH	2 NiMH or 2 NiCad	
Wall Current Adapter		No – battery power only	Yes – multiple power options	
Battery Charger		Yes - internal	Yes - external	
Compliance Meter		Yes – Limited - Inaccurate	Yes – Sessions and Hours	
Multiple Languages ⁶		No	3 (Eng, Sp, Fr)	
LCD Display		8 Character – 1 line	16 character – 2 lines (8 char. each)	
Belt Clip		No (pouch with strap)	Yes - removable	
Size (in, W x D x H)		4.0 x 1.75 x 6.25	3.2 x 1.1 x 4.8 (60% smaller)	
Weight (oz.)		14.4	6.2 (57% lighter)	
Other				
Quality System		ISO 9001 General	ISO 13485:2003 Medical Devices, Registered by BSi	
Country of Manufacture		India	United States	
Notes:				
1. Not within specifications				
2. Constant software surveillance by device CPU of electronic circuitry to maintain energy at patient-safe levels				
3. Enhanced patient safety by preventing accidental increases in amplitude intensity during therapy				
4. Visual and/or audible alert to indicate when muscle stimulation therapy is in contraction mode or in relaxation mode				
5. Allows clinician to pre-set maximum allowable amplitude. Prevents patient abuse and injury				
6. Languages: Eng = English, Sp = Spanish, Fr = French				