

Duet™ and Duet+ 2-Channel Interferential Stimulators Manufactured by Phoenix Medical Devices
Comparison of Features versus Digital Units

Specification	Biomedical Life Systems BioStim INF	New Tech Solutions NTS2	Control Solutions CS 3101	Phoenix Medical Duet	Phoenix Medical Duet+
Digital Accuracy and Repeatability	Yes	Yes	Yes	Yes	Yes
Maximum Amplitude	16.5 V	25 V	25 V	22.5 V	25 V
Power Supply	4 AA Alkaline	Proprietary Rechargeable Pack	Proprietary Rechargeable Pack	2 AA Alkaline or 2 NiMH / NiCad ¹	2 AA Alkaline or 2 NiMH / NiCad ¹
Interferential Therapy Protocols	4	4 plus Programmable	4 plus Programmable	11	11
Muscle Stimulation Protocols	0	1 plus Programmable	1 plus Programmable	4	4
Compliance Meter	No	Yes	Yes	Yes	Yes
Safety Features					
Digital Patient Watchdog ²	No	No	No	Yes	Yes
Therapy Lockout	No	No	No	Yes	Yes
Intra-therapy Lockout ³	No	Yes	Yes	Yes	Yes
NMS Phase Indicator ⁴	N/A	Yes – Audible	Yes – Audible	Yes – Audible & Visible	Yes – Audible & Visible
Clinician Specified Amplitude Limit Lock ⁵	No	Yes	Yes	Yes	Yes
Pause & Resume	No	Yes	No	Yes	Yes
Auto Off	No	Yes	Yes	Yes	Yes
Convenience Features					
Battery Charger	No	Yes	Yes	No	Yes
Wall Current Adapter	Yes	No	Yes	Yes	Yes
Languages ⁶	1 (En)	1 (En)	1 (En)	3 (En, Sp, Fr)	3 (En, Sp, Fr)
LCD Display	Yes	32 character	32 character	16 character	16 character
Belt Clip	No	No	No	Yes	Yes
Battery System	Wide Availability	Proprietary	Proprietary	Wide Availability	Wide Availability
Size (in, W x D x H)	2.3 x 1.6 x 3.3	3.6 x 0.8 x 6	3.6 x 1.2 x 5.8	3.2 x 1.1 x 4.8	3.2 x 1.1 x 4.8
Weight (oz.)	8	11.2	13	5.9	5.9
Other					
Manufacturing Quality System	ISO 13485:1996	Non - ISO	Non - ISO	ISO 13485:2003	ISO 13485:2003
Country of Manufacture	U.S.	U.S.	U.S.	U.S.	U.S.

Notes:

1. Duet supplied with 2 AA alkaline batteries; Duet+ provided with Ease NiMH Batteries (4) and Charger

2. Constant software surveillance of electronic circuitry to maintain energy at patient-safe levels

3. Prevents accidental increases in amplitude intensity during therapy

4. Visual and/or audible alert to indicate when therapy is in contraction mode or in relaxation mode

5. Allows clinician to pre-set maximum allowable amplitude

6. Languages: En = English, Sp = Spanish, Fr = French