

Quark C12x-T12x

Stress Testing ECGs



Technical Specifications

Product	Description	REF
Quark C12x INT	Diagnostic quality 12 lead stress testing ECG with patient cable, International	C09080-01-99
Quark C12x USA	Diagnostic quality 12 lead stress testing ECG with patient cable, USA	C09080-02-99
Quark T12x INT	Diagnostic quality wireless 12 lead stress testing ECG, International	C09081-01-99
Quark T12x USA	Diagnostic quality wireless 12 lead stress testing ECG, USA	C09081-02-99
Standard Measurements		
ECG	Stress Testing ECG, Resting ECG	
Technical features		
Main signal processing	Full Disclosure, Scroll Back, ST Segment, ST Slopes, Trends, Arrhythmia Analysis (stress)	
Filtering	Baseline, EMG/Low pass filter, 50/60 Hz	
Sampling rate	4000 Hz x 4 channels (C12x), 4000 Hz x 1 channel (T12x)	
Frequency range	0.05 - 300 Hz (C12x), 0.05 - 260 Hz (T12x)	
Resolution	0.3 μV/LSB (C12x), 0.286 μV/LSB (T12x)	
CMRR	>90 dB	
Patient leakage current	<10 μA	
Input impedance	>10 MΩhm	
Horizontal scale	5, 12.5, 25, 50, 100 mm/sec	
Defibrillator protection	Up to 360 J	
Pacemaker detection	From 0.1 to 2 ms @ 2 - 700 mV	
Lead OFF detection	Detached lead or offset > 0.5 V	
Electrodes		
Number of electrodes	to 10 AHA / IEC	
Acquisition	Simultaneous 12-leads (I,II,III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6)	
Connectivity	Quark C12x	Quark T12x
Communication	USB cable	Digital Radio Frequency
Radio frequency range (Auto-select)	--	2400 - 2483.5 Mhz
Radio frequency output power	--	0.4 mW
Maximal operational distance	--	~ 10 m
Hardware	Quark C12x	Quark T12x
Dimensions & Weight	17 x 9 x 3 cm / 300 g	14 x 9.5 x 5 cm / 350 g
Power supply	Via USB (5V ± 5%) (Consumption < 200 mA ± 10%)	Battery (2 AA Alkaline or NiMH rechargeable)
PC Interface	USB cable	Telemetry (RF range: 2400 – 2483.5 MHz)
Software	PCECG	
Available languages	English, French, Spanish, German, Dutch, Italian	
PC Requirements	Processor: minimum i5; RAM: minimum 2 GB (recommended 4 GB); OS: Windows 8, 10	
Display mode	3x4 / 6x2 / 12 leads with or without other parameters	
Export formats	Raw, HL7, XML, JPEG, GDT, PDF, DICOM, MFER	
Options	Description	REF
Tango	Automated non-invasive blood pressure monitor	A-661-200-018
Pulse Oximetry	Nonin® 3150 wrist-based Bluetooth® pulse oximeter	A-661-600-018
Software module	Rest/Stress, Interpretation, OMNIA Database	A-661-200-101
Software module	Rest/Stress, Interpretation, PCECG Database	A-661-200-058



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Accessories	Description	REF
Patient cable	10-leads patient cable for Quark C12x INT (Banana)	A-661-902-079
Patient cable	10-leads patient cable for Quark C12x INT (Clip)	A-661-902-078
Patient cable	10-leads patient cable for Quark C12x INT (Snap)	A-661-902-042
Patient cable	10-leads patient cable for Quark T12x INT (Snap)	A-661-902-072
Cable for Tango	Tango HR TTL cable for Quark C12x/T12x	C03428-01-12
Cable for Quark	Quark HR TTL cable for Quark/C12x-T12x	C03171-01-12
Cable for Fitmate	Fitmate HR TTL cable for Quark/C12x-T12x	C03172-01-12
ECG holder for Cart	Cart ECG holder for Quark C12x	C04210-01-11
Consumables		
Electrodes	Electrodes Blue Sensor (Adult, 25 pcs.)	A-661-902-021
Limb electrodes	Limb clamp electrodes (Adult, 4 pcs.)	A-661-902-017
Limb electrodes	Limb clamp electrodes (Pediatric, 4 pcs.)	A-661-902-018
Safety & Quality Standards		
MDD (93/42 EEC); FDA 510(k); EN 60601-1 (safety) / EN 60601-1-2 (EMC)		



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