



Check the different features available for each OMNIA testing module.

Call +39 (06) 931-5492 (International) or +1 (773) 645-8113 (US only) for more info

	Spirometry	TGV/RAW	FRC/N2WO	DLCO	Resp Mech	Airw Res - Rocc	Metabolic - CPET	Metabolic - REE
Compatible with COSMED Products	Spiro, Quark	Quark PFT, Q-Box	Quark PFT	Quark PFT, Q-Box	Quark PFT, Q-Box	Quark PFT, Pony FX*	Quark, K5	Quark, K5
Database Management								
SQL database	●	●	●	●	●	●	●	●
Advanced custom query	●	●	●	●	●	●	●	●
Export formats	xml, gdt, pdf	xml, gdt, pdf	xml, gdt, pdf	xml, gdt, pdf	xml, gdt, pdf	xml, gdt, pdf	xml, gdt, pdf, xlsx	xml, gdt, pdf, xlsx
Import formats	xml, gdt	xml, gdt	xml, gdt	xml, gdt	xml, gdt	xml, gdt	xml, gdt	xml, gdt
Competitive data import	○	○	○	○	○	○	○	○
DB converter	●	●	●	●	●	●	●	●
Offline data input	●	●	●	●	●	●	●	●
Backup/Restore database	●	●	●	●	●	●	●	●
Testing								
Available tests	FVC Pre/Post, SVC Pre/Post, MVV, Bronchochallenge	TGV/RAW Pre/Post, RAW Pre/Post	N ₂ WO Multi-breath, N ₂ WO Single breath	DLCO Single Breath, DLCO Intrabreath	MIP, MEP, PO.1	Rocc Pre Rocc Post BD	CPET BxB, CPET Mix Chamber	REE Canopy, REE Mask, REE Ventilator
Available Predicted sets	46 (spiro), 6 (6MWT)	8	6	14	4	5	12 (clinical), 4 (healthy)	5
Pediatric incentivitation	●							
Data filtering (smoothing, average)							●	●
Post-test edit	Best Exp/Insp (FVC), VT interval (SVC)	Interval (FRC), Slope (RAW), Intercept (RAW)	Final FetN ₂ (MB), Phases (SB)	Washout Volume Sampling Volume	Interval (MIP/MEP)	Best captures	VO ₂ max/Sub-max, Thresholds, VE response, VO ₂ /WR, EFVL	Multi Interval (AVG REE)
Protocols editor	Broncho challenge						Exercise	Resting
Quality control (system and operator)	●	●	●	●	●	●		
User-defined dashboards							●	●
User additional info				Hb, COHb (post test)			ABG, Dyspnea, Leg Pain	AMR, UN (post test)
Guidelines	ATS/ERS 2005	ATS/ERS 2005	ATS/ERS 2005	ATS/ERS 2005	ATS/ERS 2001	ATS/ERS 2007	ATS/ACCP, EACPR/AHA, ACSM	ADA, ESPEN/ASPEN, AARC
Device Interfaces								
Bikes							COSMED, Ergoline, Monark	
Treadmill							COSMED, h/p cosmos, Trackmaster	
Miscellaneous Ergometer control							○	
Interface with external devices	Dosimeter					Rocc kit	SpO ₂ , ECG	Intellibrige
AUX Device integration							NIBP, Cardiac Output	
Calibrations								
Flowmeter	Calibration, Check, Linearize (PNT)	Calibration, Check, Linearize (PNT)	Calibration, Check, Linearize (PNT)	Calibration, Check, Linearize (PNT)	Calibration, Check, Linearize (PNT)	Calibration, Check	Calibration	Calibration
Other calibrations		Box calibration, Leakage check	Gas (O ₂ , CO ₂)	Gas (CO, CH ₄ , O ₂)			Ref Gas (O ₂ , CO ₂), Mixing Chamber, Zero Cal	Exercise % (O ₂ , CO ₂), ICU% (O ₂ , CO ₂)
Calibration archive	●	●	●	●	●	●	●	●
Reporting								
Custom report	●	●	●	●	●	●	●	●
Custom Header	●	●	●	●	●	●	●	●
Batch printing	●	●	●	●	●	●	●	●
Pictogram gauges	FVC, FEV ₁ , FEV ₁ /FVC%, IC, MVV	sRAW, TLC (Pleth)	FRC, TLC (N ₂ WO)	DLCO _{corr} , DLCO/VA	MIP, MEP	Rocc Exp Rocc Insp	VO ₂ , ΔIC	RMR
Z-score	●	●	●	●	●	●	●	●
Trends (absolute, %predicted, z-score)	●	●	●	●	●	●	●	●
Automatic Interpretation	●	●	●	●	●	●	●	●
Other Tools								
RSS feed (internet connection needed)	●	●	●	●	●	●	●	●
Event log	●	●	●	●	●	●	●	●
Resources center	Physician, Operator, Company, Reason for stopping test, Users comments							
Security & Privacy								
Compliance	US Health Insurance Portability and Accountability Act (HIPAA), ISO 27799:2008, EU 95/46/CE and 2002/58/CE							
Users/Roles management	●	●	●	●	●	●	●	●
Networking								
Client/Server networking	○	○	○	○	○	○	○	○
Microsoft Active Directory	●	●	●	●	●	●	●	●
GDT connection	○	○	○	○	○	○	○	○
Integration via HL7	○	○	○	○	○	○	○	○

● Standard ○ Upgrade * Offline only