MYRKOS
PORTABLE GAS ANALYZER

ACCURACY BY DESIGN

Technical Specifications

Field Package

Standard Field Package (in addition to the Myrkos Instrument)	
Carrying case	Made of high-performance HDPE Press and pull latches, padlockable Rugged in-line wheels and telescopic handle Rain, immersion and vibration proof IP67 795 x 518 x 310 mm (31.3 x 20.4 x 12.2 in.)
Li-ion rechargeable battery	24 VDC operation 7 hours autonomy 1.4 kg (3.1 lbs) Cycle life > 300 cycles LCD state of charge indicator Includes a charge control module with a universal power adaptor Includes the battery to Myrkos power cable
Miniature portable controller	10.1 in. screen size 6-cell Li-ion battery, 10.5 hours autonomy Preloaded with PPMreport™, support documentation and instrument method file Back-up files provided on SD card 1.5-foot RJ45 crossover patch cable
Carrier gas module (helium 99.999% min.)	42 hours of helium autonomy Built-in quick-connect port for O_2-N_2 measurements Removable for easy off-site refill
Shake Test® syringe carrying case (for 2)	Holds 2 fully-extended Shake Test® syringes Fits inside the Myrkos carrying case Includes the squirt kit and one CO_2 trap
Shake Test® syringe carrying case (for 6)	Holds 6 fully-extended Shake Test® syringes Protects syringes against damage
High-pressure filling line	Connection kit to refill the carrier gas module (with CGA 580) Safety relief valve preset to 1,800 psig
Other accessories	Shake Test® syringe holder support 5 additional Shake Test® syringes 3 additional oil trap bags (25/bag) Set-up and operation guide
Operation	
Set-up	Intuitive and ergonomic design Large plateau for convenient operation using miniature portable controller
Instrument protection	Includes a lid stay to prevent unintended closing during operation Manual reset over-temperature protection
Weight	27.8 kg (61.5 lbs)

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Lab Package

Standard Lab Package (in addition to the Myrkos Instrument)	
Syringe shaker	Automated Shake Test® sample extraction Safe syringe clip-on installation Holds up to 3 Shake Test® syringes One-button 2-minute operation with automatic stop Shaking frequency: 20 oscillations per second (20 Hz) 110/220 VAC 50/60 Hz
O_2-N_2 measurement bench top kit	Built-in ergonomic extraction gas port with shut-off valve 4-ft ⅛ in. copper connection line with brass tee
Shake Test® syringe carrying case (for 6)	Holds 6 fully extended Shake Test® syringes Protects the syringes against damage
Two-stage helium pressure regulator	CGA 580 connection High-pressure output stability (preset to 80 psig) 4-ft ⅛ in. copper connection line with one-way valve
Other accessories	5 additional Shake Test® syringes 3 additional oil trap bags (25/bag)

Options and Accessories	
Shake Test® syringe	Method compliant with ASTM D3612-02 and described in IEC 60567 standard 100 cc, individually serialized
12 VDC/120 VAC vehicle inverter	Pure sine, 300 W connects to standard vehicle 12 VDC source
On-site training session	1-day on-site training session provided by Morgan Schaffer qualified personnel
Extended warranty	Extended warranties from 3 to 5 years available

Consumables	
	NIST traceable CALGAS cylinder (500 cc), suitable for 200 calibrations Bag of oil traps (25/bag)

Spare Parts	
	Li-ion rechargeable battery (Field Package only) Support for the Shake Test® syringe holder (Field Package only) Battery charger w/universal AC adaptor (Field Package only) Gas-tight glass syringe (10 cc) CO_2 trap for air run CO_2 trap for Shake Test® 3-way valve stopcock (20/bag)

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Accreditation

Morgan Schaffer is ISO 9001:2015 certified.
Morgan Schaffer laboratory is ISO/IEC 17025:2005 accredited by the ANSI-ASQ National Accreditation Board for the tests listed on its scope of accreditation.
Morgan Schaffer is also ISO Guide 34:2009 accredited by the ANSI-ASQ National Accreditation Board for the production of reference materials listed on its scope of accreditation.

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