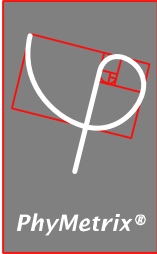
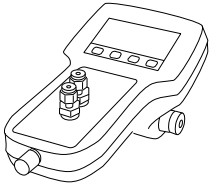
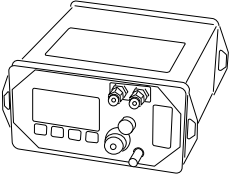
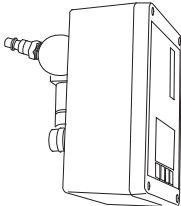
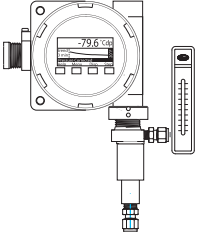
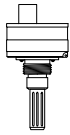


## PhyMetrix Product Guide

					
<b>Use</b>	Portable Handheld	Portable Bench-top	Portable or On-Line for Compressed Air	On-Line for Hazardous or Harsh Locations	On-Line Transmitter without display
<b>Special Features</b>	<ul style="list-style-type: none"> <li>-110°C to +20°C dewpoint range</li> <li>Fast, Accurate and Repeatable with</li> <li>State-of-the-art electronics &amp; software with • Built-in temperature compensation</li> <li>NIST calibrations</li> <li>Graphical display - Advanced User-friendly Interface, common to all instruments</li> <li>On-screen histogram - trend graph with "stable" indicator</li> <li>Continuous Status and Diagnostics display</li> <li>Optional Pressure Sensor (measures in vacuum or pressure) with automatic dewpoint correction</li> <li>Virtual Analyzer PC software for training and evaluation, Windows 8.1 or higher</li> </ul>				
	<ul style="list-style-type: none"> <li>• Built-in Sensor desiccant store for Rapid results</li> <li>• 316 Stainless Steel &amp; PTFE wetted parts</li> <li>• USB data interface, also charges battery</li> <li>• Programmable data logging</li> <li>• Battery backed clock calendar</li> <li>• Small &amp; Lightweight</li> </ul>	<ul style="list-style-type: none"> <li>• 1/8" Swage to SAE replaceable adapters</li> <li>• Flow Control Orifice at Inlet/Outlet</li> </ul>	<ul style="list-style-type: none"> <li>• Built-in Flow meter</li> <li>• Built-in Metering valve</li> <li>• Optional Vacuum pump for sub atmospheric sample</li> <li>• PPBa+O2 oxygen sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Direct on the pipe mounting with swiveling quick connect.</li> <li>• Integral demister with drain valve, provides 360° view of contaminants.</li> <li>• Built-in Flow meter</li> <li>• Built-in Metering valve</li> <li>• Most Cost Effective</li> </ul>	<ul style="list-style-type: none"> <li>• Through glass touch buttons</li> <li>• Flow Control Orifice at Inlet/Outlet</li> <li>• Built-in serviceable/cleanable 100 micron inlet Filter</li> <li>• 316 Stainless Steel &amp; PTFE wetted parts</li> <li>• Built-in capability to drive digital outputs for PID heating, cooling and self calibrating valve solenoids.</li> </ul>
<b>Other measurements</b>	Temperature and optional Pressure; PPBa+O2 has an Oxygen sensor				Temperature
<b>Power</b>	Rechargeable Battery through Universal AC wall power and USB connections			1) 90-260VAC 47-440Hz 2) 12-24VDC 10VA or 3) optionally 4/20mA Loop Powered	5-24VDC 4/20mA Loop Powered
<b>Serial I/O</b>	USB, optional HART®			Optional: HART® and isolated RS485 Modbus	HART® Optnl RS485 Modbus
<b>Analog Out</b>	optional 4/20mA sink only		optional Isolated 4/20mA: sink or source		4/20mA Loop Pwr.
<b>Alarm Contacts</b>	N/A	N/A	Optional Alarm Relays 3A, 250VAC contacts		Built-in digital I/O (TTL)
<b>Mounting</b>	Handheld, with magnet and hook for temporary attachment	Bench-top, carrying strap attachments provided	Handheld, on quick connect; optional wall mounting ears	Direct on the pipe or on the panel mounting	On the sample cell
<b>Process threads</b>	1/8" tube Swagelok® compression fittings		1/4"NPTF, with standard quick connect	3/4"od tube & 1/4"NPTF Inlet, 1/8" NPTF Outlet	3/4"-16 threads to sample cell
<b>Operating Pressure</b>	150 psia (10.3 Bar) option 500psia (34Bar)	2000psia (138 Bar)inlet 50 psia (3.4 Bar)outlet	Inlet 300 psi (20 Bar) Outlet 50 psi (3.4 Bar)	5000 psia (345 Bar)	5000 psia (345 Bar)
<b>Weatherproof</b>	IP65	Indoor use only	IP65, NEMA-4X	IP66 & IP68	IP67
<b>Enclosure material</b>	Impact resistant (>7 Nm to EN 50014) Polyamide 12	Aluminum	ABS (UL94-HB), with EDPM gasket	Stainless Steel, Glass lens	Stainless Steel
<b>Dimensions</b>	W: 4.17" (106mm) H: 1.97" (50mm) L: 7.36" (187mm)	W: 6.38" (162mm) H: 3.32" (84mm) L: 7.83" (199mm)	W: 4.13" (105mm) H: 5.71" (145mm) D: 2.56" (65mm)	W: 5.8" (147mm) H: 5.8" (147mm) L: 8.9" (226mm)	Dia:1.62"(41.3mm) L:3.25"(82.6mm)
<b>Weight</b>	1.75 lbs (0.8 Kg)	3.5 Lbs (1.6 Kg)	2 Lbs (~1 Kg)	5.5 Lbs (2.5 Kg)	6 oz (0.17 Kg)
<b>Hazardous Location use</b>	Ex ib IIC T4 Gb Tamb= -20°C to +40°C	Ex ib IIA T4 Gb Tamb= -20°C to +40°C			FM/CSA Explosion Proof Certified Class I, Div I, Groups B, C & D Class II, III, Div 1, Groups E,F&G ATEX Explosion Proof Certified ATEX 2 GD, Exd I & IIC; IECEX, Exd I & IIC