



**WHEN THE LAST THING  
YOU NEED TO WORRY  
ABOUT IS YOUR  
BREATHING AIR QUALITY**

# **Breathing Air Quality Monitoring Kits**

# BREATHING AIR QUALITY MONITORING KITS

Most of us take pure breathing air for granted, but for workers in various industries, it's a matter of life or death. Uniphos understands the needs and is committed to working with industries that require equipment like our Breathing Air Quality Monitoring Kits, which are used to monitor the purity of breathing air as supplied directly from air compressors, breathing air cylinders or medium pressure air lines supplying air for airline applications and pneumatic machinery. The Airstester can indicate quickly and quantitatively the concentration of water vapour, oil, carbon dioxide, carbon monoxide, oxygen and nitrous fumes.

## BREATHING AIR STANDARDS FOR COMPRESSED AIR:

	STANDARD	NOMINAL PRESSURE PSI(BAR)	WATER CONTENT MG/M <sup>3</sup>	OIL PPM	CO PPM	CO <sup>2</sup> PPM
EUROPE	EN 12021	600-3000 (40-200) COMPRESSED AIR TANK 3000	<50	<0.5	<15	<500
INDIA	IS 15879: 2009	(>200) COMPRESSED AIR TANK 4500	<35	<0.5	<15	<500
UK	BS 4001	COMPRESSOR DIRECT	<25	<0.5	<15	<500
USA	CGA GRADE D	X	AS DRY AS POSSIBLE	1	10	500
	CGA GRADE E	X	63 PPM	5	10	1000
	NFPA1500	X	63 PPM	5	10	500
	NAVY STD	X	24 PPM	5	10	1000
CANADA	CSA Z1800.1-M85	X	FREE OF GROSS MOISTURE	5	20	550
			PDP AT 5°C BELOW SYSTEM	1	5	560



# UNIPHOS AIR TESTER HP KIT

**Ordering Code: CF001204**

Test device consisting of pressure reducer with high pressure gauge, manifold, flow-meter, detector tube holder, adapter for 200 and 300 bar each for connecting to compressor charging panel, timer, device for breaking off detector tube tips, Detector tubes for measuring carbon monoxide, carbon dioxide, water vapor and oil mist, one packet each.

## DETECTOR TUBES:

SUBSTANCE MEASURED	DETECTOR TUBE APPLICABLE	PART NO. [10 TUBES/PKG]	MEASURING RANGE [PPM]	REMARKS
Carbon dioxide	CO <sub>2</sub> -HP	CF001182	200...3000 ppm	Included
Carbon monoxide	CO-HP	CF001184	5...50 ppm	Included
Oil Mist	Oil Mist-HP	CF001143	depends on oil type	Included
Water vapour	H <sub>2</sub> O-HP [mg/m <sup>3</sup> ]	CF001186	10...80 mg/m <sup>3</sup>	Included

## SPECIFICATIONS:

Max inlet pressure of reducer	300 + 30 bar		
Inlet pressure of manifold	4 to 5 bar		
Manifold outlet flow rates (mL/min)			
CO	CO <sub>2</sub>	H <sub>2</sub> O	Oil (L/min)
100 ± 10	190 ± 10	120 ± 10	3 ± 0.25
Dimensions	L= 39 cm, W = 33 cm, H = 9.5 cm		
Weight	3 Kg.		

## FEATURES

- Auto On/Off Valve
- Shortest Flushing Time
- Uniphos Oil -HP tube with dual scale, unique in market
- Comprehensive Kit
- Compact Design and Lightweight



**Uniphos**  
Air Tester HP Kit

# KwikDraw AIR TESTER HP KIT

## Ordering Code :

- Air Tester HP : D3188706

- Air Tester HP+ : D3188705

Test device consisting of pressure reducer with high pressure gauge, manifold, flow-meter, detector tube holder, adapter for 200 and 300 bar each for connecting to compressor charging panel, timer, device for breaking off detector tube tips, Detector tubes for measuring carbon monoxide, carbon dioxide, water vapor and oil mist, one packet each.

## DETECTOR TUBES:

SUBSTANCE MEASURED	DETECTOR TUBE APPLICABLE	PART NO. [10 TUBES/PKG]	MEASURING RANGE [PPM]	REMARKS
Carbon Dioxide	CO <sub>2</sub> -HP	D5085848	100...2000 ppm	Included
Carbon Monoxide	CO-HP	D5085847	5...70 ppm	Included
Oil Mist-HP Synth		10040887	Depends on oil type	Included
	H <sub>2</sub> O-HP [mg/m <sup>3</sup> ]	D5085849	5...160 mg/m <sup>3</sup>	Included
Water Vapour	H <sub>2</sub> O-HP [ppm]	D5085851	10...200 ppm	Optional
	H <sub>2</sub> O-HP-20[mg/ m <sup>3</sup> ]	D7086900	20-1500 mg/m <sup>3</sup>	Optional
Nitrous HP	Nitr.-HP	D5086850	0.2-6.0 ppm	Optional

## SPECIFICATIONS:

Max inlet pressure of reducer	300 + 30 bar		
Inlet pressure of manifold	4 to 5 bar		
Manifold outlet flow rates (mL/min)			
CO	CO <sub>2</sub>	H <sub>2</sub> O	Oil (L/min)
0.3 ± 0.03	0.3 ± 0.03	1 ± 0.1	4 ± 0.25
Dimensions	L= 39 cm, W = 33 cm, H = 9.5 cm		
Weight	3 Kg.		

## FEATURES

- Auto On/Off Valve
- Shortest Flushing Time
- Comprehensive Kit
- Compact Design & Lightweight



**KwikDraw**  
Air Tester HP + Kit

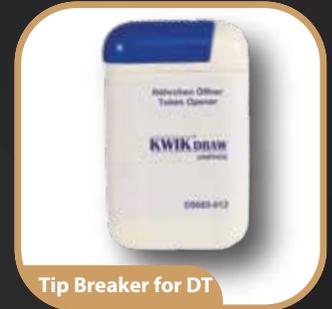


**KwikDraw**  
Air Tester HP Kit

# UNIPHOS & KwikDraw AIR TESTER HP KIT

## ACCESSORIES AND SPARE PARTS:

Brand	Description	Ordering code
<u>Uniphos</u>	Pressure Regulator	CF001215
<u>KwikDraw</u>		D4074940
<u>Uniphos</u>	Mainfold	CF001214
<u>KwikDraw</u>		D7095876
<u>Uniphos</u>	Rubber Tube Holder	CF001216
<u>KwikDraw</u>		D7095877
<u>Uniphos</u>	Tip Breaker for DT	D5085012
<u>KwikDraw</u>		
<u>Uniphos</u>	Stop watch (Timer)	D5185020
<u>KwikDraw</u>		
<u>Uniphos</u>	Flowmeter for Manifold	CF001217
<u>KwikDraw</u>		D4074944



Tip Breaker for DT



Rubber Tube Holder



Flowmeter



Mainfold



Pressure Regulator



Stop Watch(Timer)

# Uniphos

## Trusted Worldwide



- MANUFACTURING
- STOCK LOCATIONS
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