

**COOLNOVA**  
TECHNOLOGICAL INNOVATION FOR COOL TOOLS

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**2023-2024**

WELCOME

TO

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## About Who We Are

COOLNOVA is a leading manufacturer who offers One-stop service for superior HVAC/R tools such as vacuum pump, refrigerant recovery unit, manifolds, charging scale from R&D, resource integration, manufacture and sales, so as to let customers buy rest assured, comfortable to use, no worries.

## Strong Team

COOLNOVA strong leadership team is made up of senior experts who have more than 10 years' experience of R&D, marketing and management in this field, which keeps the organization focused on Capturing what clients want, providing the best of the best for them with technological innovation. We believe the user deserve the best tool for more enjoyable work and business.

COOLNOVA annual production capacity reaches about 200,000 unit. A full range of automated CNC machining center, production line, testing equipments and high accuracy production measurement equipments are applied for high efficient and advanced manufacturing. All products have obtained China Patents and pass the European CE etc., international top safety certificate.

We are devoted to providing customers with professional solutions in HVAC/R and Vacuum field to help you face the current demands, the future and prepare for the unexpected.

## Professional

## Manufacture





## VALUES

### Vission

Constantly provide innovative tools that HVAC/R professionals can trust to help them do more; Strive for the best

### Mission

Create creative ideas and the best solutions for your business development, Cool Technological Innovation For Cool Tools



### Honor

All products have obtained China Patents and pass the European CE etc.,international top safety certificate.

### Service

Customization,OEM,ODM or COOLNOVA agent. Trustworthy,highly efficient service. Stressed the principle of customer first, all subordinated to the needs of customers.

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## FEATURES

**Multiple Protection of Oil**  
Mist, More environmentally friendly



**Upgraded Integral structure**  
pump body processed by CNC Center, Higher accuracy, More reliable



**Powerful Oil Cycling System**  
Guarantee the pump to work normally even oil under the MIN oil line.



**Dual-bearing Structure**  
mechanical stability & small starting torque ensure the motor rotor with excellent sensitivity and speed.



### UPGRADED



**100% Copper Coil Motor**  
Much more efficient & longer work life, CE, CSA approved components

**Gas Ballast (Optional)**  
Separate the vapor from the gas, prolong the use of pump oil.



**Built-in 6 feet length power cord**, more safe and convenient.  
**Fan-cooled Motor**, Axial ventilation structure, lower temp.



**Durable molded base and rubber feet** guarantee the pump to stay upright



**Optional Device:**  
Solenoid Valve + 50mm/80mm vacuum gauge.  
-Automatic Anti-reflux of Oil  
-For easy view of Vacuum



● Designed specially for HVAC/R service.

● **Highly efficiency, Quick to pull a deep vacuum**

● Compact design with aluminum housing, easy to carry.

- **Double Protection:** Thermal protector in the motor and Overload protector inside to guarantee the pump to run steadily. **More safe and More reliable.**
- Both 1/4" and 3/8" SAE flare copper inlet for easy & flexible hose connections.
- Higher quality vacuum pump oil with extra bottle storage.
- Big oil sight glass allows you to view condition of oil and system.

## VACUUM PUMP

### R32 SERIES

- **Explosion-proof A/C motor (1425rpm 50Hz, 1720rpm 60Hz) & electronic parts and components, ensure it compatible to A2L refrigerants.**
- Lower noise & oil contamination, much more stable and reliable in performance.
- Portable, Heavy-duty and POWERFUL tool, you deserve!

#### 1 Stage Vacuum Pump

Models		O-i4S-R32	O-i8S-R32
Flow Rate	50Hz	3.5CFM	7.0CFM
		100L/min	198L/min
	60Hz	4.0CFM	8.0CFM
		113L/min	227L/min
Ultimate Vacuum	Partial Pressure	1Pa	1Pa
	Total pressure	75microns	75microns
Power		1/2HP	3/4HP
Inlet Port		1/4" & 3/8" SAE	1/4" & 3/8" SAE
Oil Capacity		330ml	450ml
Dimensions (mm)		300X117X248	343X135X248
Weight		8.5kg	14kg

#### 2 Stage Vacuum Pump

Models		O-i2D-R32	O-i4D-R32	O-i6D-R32	O-i9D-R32	O-i12D-R32
Flow Rate	50Hz	1.8CFM	3.5CFM	5.0CFM	8.0CFM	10CFM
		51L/min	100L/min	142L/min	227L/min	283L/min
	60Hz	2.0CFM	4.0CFM	6.0CFM	9.0CFM	12CFM
		57L/min	113L/min	170L/min	255L/min	340L/min
Ultimate Vacuum	Partial Pressure	1x10-1Pa	1x10-1Pa	1x10-1Pa	1x10-1Pa	1x10-1Pa
	Total pressure	7.5Microns	7.5Microns	7.5Microns	7.5Microns	7.5Microns
Power		1/3HP	1/2HP	3/4HP	1HP	1HP
Inlet Port		1/4" & 3/8" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE
Oil Capacity		280ml	500ml	460ml	600ml	550ml
Dimensions (mm)		300X117X248	343X135X248	343X135X248	389X146X280	389X146X280
Weight		9kg	11kg	13kg	16kg	16.5kg



## O-I SERIES

- A/C motor (1425rpm 50Hz,1720rpm 60Hz)
- Lower noise&oil contamination,much more stable and reliable in performance.
- Portable,Heavy-duty and POWERFUL tool,you deserve!

### 1 Stage Vacuum Pump

Models		O-i2S	O-i4S	O-i8S
Flow Rate	50Hz	1.8CFM	3.5CFM	7.0CFM
		51L/min	100L/min	198L/min
	60Hz	2.0CFM	4.0CFM	8.0CFM
		57L/min	113L/min	227L/min
Ultimate Vacuum	Partial Pressure	1Pa	1Pa	1Pa
	Total pressure	75mircons	75Microns	75mircons
Power		1/3HP	1/2HP	3/4HP
Inlet Port		1/4"SAE	1/4"&3/8"SAE	1/4"&3/8"SAE
Oil Capacity		180ml	330ml	450ml
Dimensions (mm)		244X102X203	300X117X248	343X135X248
Weight		5.0kg	8.5kg	14kg

### 2 Stage Vacuum Pump

Models		O-i2D	O-i4D	O-i6D	O-i9D	O-i12D
Flow Rate	50Hz	1.8CFM	3.5CFM	5.0CFM	8.0CFM	10CFM
		51L/min	100L/min	142L/min	227L/min	283L/min
	60Hz	2.0CFM	4.0CFM	6.0CFM	9.0CFM	12CFM
		57L/min	113L/min	170L/min	255L/min	340L/min
Ultimate Vacuum	Partial Pressure	1x10-1Pa	1x10-1Pa	1x10-1Pa	1x10-1Pa	1x10-1Pa
	Total pressure	7.5Microns	7.5Microns	7.5Microns	7.5Microns	7.5Microns
Power		1/3HP	1/2HP	3/4HP	1HP	1HP
Inlet Port		1/4"&3/8"SAE	1/4"&3/8"SAE	1/4"&3/8"SAE	1/4"& 3/8"SAE	1/4"& 3/8"SAE
Oil Capacity		280ml	500ml	460ml	600ml	550ml
Dimensions (mm)		300X117X248	343X135X248	343X135X248	389X146X280	389X146X280
Weight		9kg	11kg	13kg	16kg	16.5kg

## OVP SERIES

- A/C motor (2850rpm 50Hz,3440rpm 60Hz)
- Efficient,Quick to pull a deep vacuum,smaller,lighter and HIGH QUALITY tool

### 1 Stage Vacuum Pump

Models		OVP2S	OVP4S	OVP5S	OVP6S	OVP7S	OVP12S
Flow Rate	50Hz	1.8CFM	3.5CFM	4.5CFM	5.0CFM	6.0CFM	10CFM
		51L/MIN	100L/min	128L/MIN	142L/MIN	170L/MIN	283L/MIN
	60Hz	2.0CFM	4.0CFM	5.0CFM	6.0CFM	7.0CFM	12CFM
		57L/MIN	113L/min	142L/MIN	170L/MIN	198L/MIN	340L/MIN
Ultimate Vacuum	Partial Pressure	2Pa	2Pa	2Pa	2Pa	2Pa	2Pa
	Total pressure	150Microns	150Microns	150Microns	150Microns	150Microns	150Microns
Power		1/4HP	1/3HP	1/3HP	1/2HP	1/2HP	1HP
Inlet Port		1/4"SAE	1/4"&3/8" SAE	1/4"&3/8" SAE	1/4"&3/8" SAE	1/4"&3/8" SAE	1/4"&3/8" SAE
Oil Capacity		200ml	310ml	300ml	420ml	400ml	720ml
Dimensions (mm)		244X102X203	300X117X248	300X117X248	321X126X257	321X126X257	389X146X280
Weight		4.2kg	4.5kg	7.0kg	8.7kg	9kg	14.5kg

### 2 Stage Vacuum Pump

Models		OVP2D	OVP3D	OVP5D	OVP7D	OVP9D	OVP12D
Flow Rate	50Hz	1.8CFM	2.5CFM	4.5CFM	6.0CFM	8.0CFM	10CFM
		51L/MIN	71L/MIN	128L/MIN	170L/MIN	227L/MIN	283L/MIN
	60Hz	2.0CFM	3.0CFM	5.0CFM	7.0CFM	9.0CFM	12CFM
		57L/MIN	85L/MIN	142L/MIN	198L/MIN	255L/MIN	340L/MIN
Ultimate Vacuum	Partial Pressure	2X10-1Pa	2x10-1Pa	2x10-1Pa	2x10-1Pa	2x10-1Pa	2x10-1Pa
	Total pressure	15Microns	15Microns	15Microns	15Microns	15Microns	15Microns
Power		1/4HP	1/3HP	1/2HP	3/4HP	1HP	1HP
Inlet Port		1/4"SAE	1/4"&3/8"SAE	1/4"&3/8"SAE	1/4"&3/8"SAE	1/4"&3/8"SAE	1/4"&3/8"SAE
Oil Capacity		170ml	280ml	350ml	500ml	600ml	600ml
Dimensions (mm)		244X102X203	300X117X248	321X126X257	343X135X248	389X146X280	389X146X280
Weight		4.7kg	7.8kg	8.8kg	12.5kg	15.5kg	16kg



## EX SERIES

## FEATURES

### Adjustable Vacuum Gauge

Giving you a comprehensive view of the sealed system internal evacuation condition



### Optimized & Integrated Cylinder

processed by CNC Center, Ultra accurate and reliable.



Deep ultimate vacuum, Convenient for maintenance.

### Powerful Oil Cycling System

Ensure reliable vane sealing, cooling and running of the pump; Multiple protection of oil mist, more environmentally friendly



### Dual-bearing Structure

mechanical stability & small starting torque ensure the motor rotor with excellent sensitivity and speed.



**Explosion-proof design,**  
100% Copper Coil Motor  
ATEX certified



### Flame-proof type

robust aluminum alloy electric box



### Built-in 5M length

**Power Cord,**  
**Fan-cooled Motor,**  
Axial ventilation structure, lower temp.



Durable molded base with rubber strip guarantee the pump to stay upright.



### Optional Device:

Solenoid Valve  
Automatic Anti-reflux of Oil



**A2L, A2 & A3**  
**Compatible**

● Explosion-proof design for HVAC/R service with advanced vacuum technology.

● Highly efficiency, Quick to pull a deep vacuum.

● Compact design with aluminum housing, easy to carry.

● ATEX Certified, Applicable to A1, A2L and A3 refrigerant.

● Both 1/4" and 3/8" SAE flare copper inlet for easy & flexible hose connections.

● Higher quality vacuum pump oil with extra bottle storage.

● Big oil sight glass allows you to view condition of oil and system.

## EX SERIES

### ● Strong safety control systems:

Professional Flame-proof type design.

Thermal and Overload protector inside to guarantee the pump to run steadily.

5M length exhaust hose and 5M length power cord to avoid the open fire or spark inside the room.

**More safe and More reliable.**

## 2 Stage Vacuum Pump

Models		OI6D-EX	HVP5D-EX
Flow Rate	50Hz	6.0CFM 170L/min	5.0CFM 142L/min
	60Hz	7.0CFM 198L/min	6.0CFM 170L/min
Ultimate Vacuum	Partial Pressure	$1 \times 10^{-1}$ Pa	$2 \times 10^{-1}$ Pa
	Total pressure	7.5microns	15microns
AC Motor		1425RPM 50Hz 1720RPM 60Hz	2850RPM 50Hz 3440RPM 60Hz
Power		1HP	3/4HP
Inlet Port		1/4" & 3/8" SAE	1/4" & 3/8" SAE
Oil Capacity		600ml	500ml
Dimensions (mm)		440*150*260	352*136*27
Weight		18.3kg	12kg

## APPLICATION

The vacuum pump are used for evacuation of HVAC/R repair and new installations. For use on refrigeration systems utilizing Class A1 (nontoxic, nonflammable), Class A2L (nontoxic, low flammability) and Class A2 (nontoxic, flammable), and A3 (nontoxic, flammable).

A3 Refrigerants									
Applicable	R50	R170	R290	R600	R600a	R601	R601a	R1270	R430A
	R431A	R433A	R433B	R433C	R436A	R436B	R441a	R443A	R511A
Not Applicable	R702	RE170	R1150	R429A	R432A	R435A	R510A		



**FEATURES**
**NEW**

Ergonomic and compact design and removable single-shoulder strap makes it easy to carry around.



Built-out **Filter Drier** removes both moisture & acid from the refrigerant.



Built-out **Sight Glass** Easy view of the refrigerant movement.



**Automatic Controller**

Built-in circuit board to control the whole wiring, more stable and smart



Heavy duty industrial grade condenser and **dual** axial cooling fans cools faster.



Large ventilation window behind, Water resistance design to withstand direct rain here.



**100% Copper Coil Motor** Much more efficient & longer work life, CE, CSA approved components



**Molded Case**

Rugged molded case for maximum protection from damage during transit and normal handling.



**One-valve operation, so easy, so efficient !**

**Upgraded with Innovation, Experience and Knowledge**

**Indicating lamp**

Green light when recovery completed  
Red light when system exceeds 38.5bar

High pressure automatic shut-off & reset switch for safe operation.

Low pressure automatic shut-off & reset switch for user-friendly operation.

**Socket for power cord**

**Control Valve**

Self purge feature can be used to purge the moisture, contaminants from the system after each use.



**Large gauges**

Indicate pressure and vacuum

**Device available on requirement**

Optional 80% capacity shut-off kit to prevent from overfilling the storage tank.

**Dual Voltage Switch** available on requirement

**1/4"SAE inlet & outlet port**

Easy hose connections

**REFRIGERANT RECOVERY UNIT**


**Air Cooled Oil-less Compressor** recover both vapor and liquid refrigerants quickly. Minimizes liquid slugging and maximizes vapor recovery.



Recover all commonly used refrigerants (CFC, HCFC, HFC, **A2L**), like **R32**, R410A, R134a etc



With a powerful low speed motor, durable compressor and heavy-duty industrial grade cooling system, this machine excels in longer and hotter jobs.

**U-R32 SERIES SPECIFICATIONS**

Model		ORR1NU-R32 			ORR2NU-R32		
Compressor		Oil-less;air cooled;One-piston style			Oil-less;air cooled;Twin-piston style		
Motor		1/2HP AC;Capacitor start			1HP AC;Capacitor start		
Motor Speed		1440RPM @ 50Hz			1720RPM @ 60Hz		
Power		110-127V/60Hz 220-240V 50/60Hz					
Refrigerants		Cat. III:R-12,R-134a,R-401C,R-406A,R-500, <b>HFO-1234yf</b>					
		Cat. IV:R-22,R-401A,R-401B,R-402B,R-407C, R-407D,R-408A,R-409A,R-411A,R-411B,R-412A,R-502,R-509					
		Cat.V:R-402A,R-404A,R-407A,R-407B,R-410A, R-507, <b>R32</b>					
Max.Current		5A@50Hz 8A@60Hz			10A@50Hz 12A@60Hz		
Refrigerant Recovery Rate		Cat. III	Cat. IV	Cat. V	Cat. III	Cat. IV	Cat. V
	Vapor	0.23kg/min	0.25kg/min	0.26kg/min	0.41kg/min	0.45kg/min	0.47kg/min
	Liquid	1.57kg/min	1.81kg/min	1.85kg/min	2.82kg/min	3.26kg/min	3.33kg/min
	Push/Pull	4.46kg/min	5.57kg/min	6.22kg/min	8.28kg/min	10.02kg/min	12.12kg/min
High Pressure Shut-off		38bar/3850kpa/558psi					
Low Pressure Shut-off		0.27bar/8inHg					
80% O.F.P.Shut-off kit		Optional					
Operating Temp.		0 °C-40°C					
Dimensions		446mm (L)x226mm(W)x346mm(H)					
Net Weight		14kg			14.5kg		



### FEATURES

Ergonomic and compact design and removable single-shoulder strap makes it easy to carry around.



Built-out **Filter Drier** removes both moisture & acid from the refrigerant.



Built-out **Sight Glass** Easy view of the refrigerant movement.



**Automatic Controller**

Built-in circuit board to control the whole wiring, more stable and smart



Heavy duty industrial grade condenser and **dual axial cooling fans** cools faster.



Large ventilation window behind, Water resistance design to withstand direct rain here.



**100% Copper Coil Motor** Much more efficient & longer work life, CE, CSA approved components



**Molded Case**

Rugged molded case for maximum protection from damage during transit and normal handling.



**User-friendly Design for residential, commercial and automotive A/C system.**

**Indicating lamp**

Green light when recovery completed  
Red light when system exceeds 38.5bar

High pressure automatic shut-off & reset switch for safe operation.

Low pressure automatic shut-off & reset switch for user-friendly operation.

**Socket for power cord**



**Large gauges**

Indicate pressure and vacuum

**Device available on requirement**

Optional 80% capacity shut-off kit to prevent from overfilling the storage tank.

**Dual Voltage Switch** available on requirement

**1/4"SAE inlet & outlet port**  
Easy hose connections

**Control Valve**

Self purge feature can be used to purge the moisture, contaminants from the system after each use.

## REFRIGERANT RECOVERY UNIT




- Air Cooled Oil-less Compressor** recover both vapor and liquid refrigerants quickly. Minimizes liquid slugging and maximizes vapor recovery.
- Recover all commonly used refrigerants (CFC, HCFC, HFC, **A2L**), like **R32**, R410A, R134a etc
- With a powerful low speed motor, durable compressor and heavy-duty industrial grade cooling system, this machine excels in longer and hotter jobs.

### R32 SERIES SPECIFICATIONS

Model		ORR1N-R32	ORR2N-R32 <b>HOT!</b>
Compressor		Oil-less; air cooled; One-piston style	Oil-less; air cooled; Twin-piston style
Motor		1/2HP AC; Capacitor start	1HP AC; Capacitor start
Motor Speed		1440RPM @ 50Hz	1720RPM @ 60Hz
Power		110-127V/60Hz 220-240V 50/60Hz	
Refrigerants		Cat. III: R-12, R-134a, R-401C, R-406A, R-500, <b>HFO-1234yf</b>	
		Cat. IV: R-22, R-401A, R-401B, R-402B, R-407C, R-407D, R-408A, R-409A, R-411A, R-411B, R-412A, R-502, R-509	
		Cat. V: R-402A, R-404A, R-407A, R-407B, R-410A, R-507, <b>R32</b>	
Max. Current		5A@50Hz 8A@60Hz	10A@50Hz 12A@60Hz
Refrigerant Recovery Rate		Cat. III Cat. IV Cat. V	Cat. III Cat. IV Cat. V
	Vapor	0.23kg/min 0.25kg/min 0.26kg/min	0.41kg/min 0.45kg/min 0.47kg/min
	Liquid	1.57kg/min 1.81kg/min 1.85kg/min	2.82kg/min 3.26kg/min 3.33kg/min
	Push/Pull	4.46kg/min 5.57kg/min 6.22kg/min	8.28kg/min 10.02kg/min 12.12kg/min
High Pressure Shut-off		38bar/3850kpa/558psi	
Low Pressure Shut-off		0.27bar/8inHg	
80% O.F.P. Shut-off kit		Optional	
Operating Temp.		0 °C-40°C	
Dimensions		446mm (L)x226mm(W)x346mm(H)	
Net Weight		14.5kg	15kg



# COOLNOVA REFRIGERANT RECOVERY UNIT

-  **Air Cooled Oil-less Compressor** recover both vapor and liquid refrigerants quickly. Minimizes liquid slugging and maximizes vapor recovery.
-  Recover all commonly used refrigerants (CFC,HCFC,HFC),like R410A,R134a etc
-  With a powerful low speed motor,durable compressor and heavy-duty industrial grade cooling system, this machine excels in longer and hotter jobs.

## STANDARD SERIES SPECIFICATIONS

Model		ORR1N 	ORR2N
Compressor		Oil-less;air cooled;One-piston style	Oil-less;air cooled;Twin-piston style
Motor		1/2HP AC;Capacitor start	1HP AC;Capacitor start
Motor Speed		1440RPM @ 50Hz	1720RPM @ 60Hz
Power		110-127V/60Hz 220-240V 50/60Hz	
Refrigerants		Cat. III:R-12,R-134a,R-401C,R-406A,R-500	
		Cat. IV:R-22,R-401A,R-401B,R-402B,R-407C, R-407D,R-408A,R-409A,R-411A,R-411B,R-412A,R-502,R-509	
		Cat.V:R-402A,R-404A,R-407A,R-407B,R-410A, R-507	
Max.Current		5A@50Hz 8A@60Hz	10A@50Hz 12A@60Hz
Refrigerant Recovery Rate		Cat. III Cat. IV Cat. V	Cat. III Cat. IV Cat. V
	Vapor	0.23kg/min 0.25kg/min 0.26kg/min	0.41kg/min 0.45kg/min 0.47kg/min
	Liquid	1.57kg/min 1.81kg/min 1.85kg/min	2.82kg/min 3.26kg/min 3.33kg/min
Push/Pull		4.46kg/min 5.57kg/min 6.22kg/min	8.28kg/min 10.02kg/min 12.12kg/min
High Pressure Shut-off		38bar/3850kpa/558psi	
Low Pressure Shut-off		0.27bar/8inHg	
80% O.F.P.Shut-off kit		Optional	
Operating Temp.		0 °C-40°C	
Dimensions		446mm (L)x226mm(W)x346mm(H)	
Net Weight		14.5kg	15kg

## CHARGING SCALE

### FEATURES



### Tough, High Precision, More Stable, Energy-saving

- Large LCD display with backlight available for easier reading.
- Large scale platform comfortably fits a canister.
- Designed and built to handle the rigors of HVAC/R.
- Ultra-low-power SCM control,24 bit high precision AD converter, Much more accurate.

Rugged molded case for maximum protection from damage during transit and normal handling.

Easy to carry



## SPECIFICATIONS

Model	 OCS-100
Capacity	220LB/100KGS
Unit Shift	LB/KG/OZ
Accuracy	0.05% of reading
Resolution	5g
Display	Large LCD,50*25mm, backlight available
Platform	235*235mm
Weight	3.1kg
Power	9V battery included
Operation Temp.	-4°F to 156°F/-10°C to 50°C
Programmable	No



## FEATURES



Extended Easel



Power Cord in Pocket

1/4"SAE inlet and outlet port for easy hose connection.

## Tough, High Precision, More Stable, Energy-saving

- Designed and built to handle the rigors of HVAC/R.
- Large LCD display with backlight available for easier reading.
- Large scale platform comfortably fits a tank.
- Quickly set a charge or recovery program on the big numeric keypad. Once it hits your targets, the built-in solenoid valve will close automatically and alarm will sound

- Ultra-low-power SCM control, 24 bit high precision AD converter, Much more accurate.

Rugged molded case for maximum protection from damage during transit and normal handling.

Easy to carry



## SPECIFICATIONS

Model	OCS-100P	<b>HOT!</b> OCS-150P
Capacity	220LB/100KGS	330LB/150KGS
Unit Shift	LB/KG/OZ	LB/KG/OZ
Accuracy	0.05% of reading	0.05% of reading
Resolution	5g	5g
Display	Large LCD, 50*25mm, backlight available	Large LCD, 50*25mm, backlight available
Platform	235*235mm	235*235mm
Weight	5.2kg	5.2kg
Power	220V	220V
Operation Temp.	-4°F to 156°F/-10°C to 50°C	-4°F to 156°F/-10°C to 50°C
Programmable	Yes	Yes

# DIGITAL MANIFOLDS

## FEATURES

- Multifunctional utility for various of refrigerants.
- Extremely rugged overmold casing, reinforced hook, and hermetically sealed sight glass for view of the refrigerant movement.
- High precision digital pressure gauge with impact resistant LCD display for faster reading.
- Copper connectors and valve elements to guarantee the best sealing performance, longer work life.
- Strong antislip rubber knob on anodized aluminum block body for more efficient job and easier grip.
- Rugged molded case for maximum protection from damage during transit and normal handling.
- Easy to carry around.



## SPECIFICATIONS

Item	Digital One-valve Manifold Gauge Set	<b>HOT!</b> Digital Two-valve Manifold Gauge Set
Model	ODG-1	ODG-2
Range	-0.1MPa~4.0MPa	
Pressure Unit	kPa, MPa, psi, kgf/cm <sup>2</sup> , inHg	
Built-in 9 refrigerant	R22, R134a, R32, R404a, R410a, R1234yf, R14, R218, R116	
Minimum Value	1kpa	
Pressure Accuracy	0.5 class	
Overload Pressure	10MPa	
Battery Life	48 Hours (9V)	
Operational Environment	-20°C~85°C	
Package	Blow case	Blister packing



## FEATURES

- Strong rubber cover and hermetically sealed sight glass for view of the refrigerant movement.
- High precision pressure gauge.
- Rugged metal knob on anodized aluminum block body, longer work life
- Copper connector and valve element to guarantee the best sealing performance, more reliable and stable.

## TWO-VALVE MANIFOLD GAUGE SET

Model	OMG-2-R410A	OMG-2-R134a	OMG-2-R32
Refrigerants Scale	R410A, R407C, R22, R134a	R134a, R404A, R407C, R22	R410A, R32, R22, R290
Gauge Diameter	68mm	68mm	68mm
Pressure Scale	0~760psi; -30~0psi, 0~550psi	0~500psi -30~0psi, 0~350psi	0~760psi; -30~0psi, 0~550psi
Connector	1/4"SAE-M	1/4"SAE-M	1/4"SAE-M
Hose	● Red-Yellow-Blue: 1/4"SAE-F×1/4"SAE-F ● Red & Blue: 1/4"SAE-F×5/16"SAE-F, Yellow: 1/4"SAE-F×1/4"SAE-F		
Standard Length	90cm	90cm	90cm
Package	Blow case	Blow case	Blow case

## FOUR-VALVE MANIFOLD GAUGE SET

Model	OMG-4-R410A	OMG-4-R134a	OMG-4-R32
Refrigerants Scale	R410A, R407C, R22, R134a	R134a, R404A, R407C, R22	R410A, R32, R22, R290
Gauge Diameter	68mm	68mm	68mm
Pressure Scale	0~760psi; -30~0psi, 0~550psi	0~500psi -30~0psi, 0~350psi	0~760psi; -30~0psi, 0~550psi
Connector	1/4"SAE-M	1/4"SAE-M	1/4"SAE-M
Hose	● Red-Yellow-Blue: 1/4"SAE-F×1/4"SAE-F, Black: 3/8"SAE-F×3/8"SAE-F ● Red & Blue: 1/4"SAE-F×5/16"SAE-F, Yellow: 1/4"SAE-F×1/4"SAE-F, Black: 3/8"SAE-F×3/8"SAE-F		
Standard Length	90cm	90cm	90cm
Package	Blow case	Blow case	Blow case

## ONE-VALVE MANIFOLD GAUGE SET

Model	OMG-1-R410A-H	OMG-1-R134a-H	OMG-1-R32-H
Refrigerants Scale	R410A, R407C, R22, R134a	R134a, R404A, R407C, R22	R410A, R32, R22, R290
Gauge Diameter	68mm	68mm	68mm
Pressure Scale	0~760psi;	0~500psi	0~760psi;
Hose	● Red-Yellow: 1/4"SAE-F×1/4"SAE-F ● Red: 1/4"SAE-F×5/16"SAE-F, Yellow: 1/4"SAE-F×1/4"SAE-F		
Standard Length	90cm	90cm	90cm
Package	Box packing	Box packing	Box packing

Model	OMG-1-R410A-L	OMG-1-R134a-L	OMG-1-R32-L
Refrigerants Scale	R410A, R407C, R22, R134a	R134a, R404A, R407C, R22	R410A, R32, R22, R290
Gauge Diameter	68mm	68mm	68mm
Pressure Scale	-30~0psi, 0~550psi	-30~0psi, 0~350psi	-30~0psi, 0~550psi
Hose	● Yellow-Blue: 1/4"SAE-F×1/4"SAE-F ● Blue: 1/4"SAE-F×5/16"SAE-F, Yellow: 1/4"SAE-F×1/4"SAE-F		
Standard Length	90cm	90cm	90cm
Package	Box packing	Box packing	Box packing

## REFRIGERANT HOSE Higher strength, More Reliable

- Double barrier protection: Moisture barrier provides improved resistance to moisture migration.
- Check valve or longer length could be customized and supplied if requirement.

Model	Details	W.P.I	Burst P.	Check Valve
OHL-90	R22 Length: 90cm	500psi	2500psi	Optional
OHM-90	R134a Length: 90cm	600psi	3000psi	Optional
OHH-90	R410A Length: 90cm	800psi	4000psi	Optional

## QUICK COUPLER

- Quick, easy connect/disconnect,
- Control valve for access to system even at working pressure. High strength, high pressure resistance.

Model	Description
OC-YFL	Low pressure coupler
OC-YFH	High pressure coupler

