



MONTEC

Digital MANIFOLDS

WLP 160m - CO₂ High Pressure

WLP 50 - Standard



Setting a higher standard of performance & function

For Commercial & Industrial Refrigeration / HVAC

Quality without compromise

4 Valve convenience

Built-in rugged vacuum sensor

System Integrity Testing

Hose parks for better handling & storage



MONTEC Quality without compromise

Fully Feature Rich

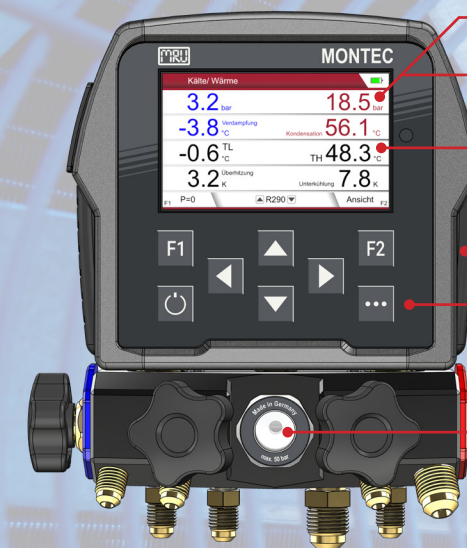
- All refrigerants: Including R-290 (propane) and R744 (CO₂)
- Powerful, rechargeable battery for long-term measurement & logging.
- Bluetooth connectivity:
 - Temperature clamp probes, pressure probes, and APP for control, analysis, and data.
- Large 4" graphical, backlit display for any lighting environments.
- 256 MB memory for long-term measurement/logging and customer records.

The comprehensive digital manifold for AC/R Professionals

- 4-Valve with Built-in vacuum sensor
- Convenience and time savings
- All refrigerants, including CO₂ and propane
- System integrity / leak testing
- Alarm, recording, & documenting
- High security locking
- MRU Scale Integration automating evacuations and filling
- Hose parks for convenient hose handling
- Choice of wireless or wired temperature clamp probes
- Optional external pressure and vacuum probes



MONTEC Quality without compromise



Large 4" IPS - TFT graphic display for optimal viewing angle

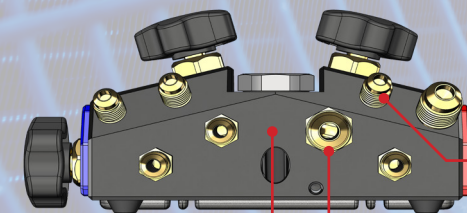
- All measured values at a glance
- Clear separation of "hot" and "cold"

For long-term measurements, the display switches off and goes into power-saving mode

Soft anti-slip side panels

Industrial keyboard, suitable for glove operation

Viewing window made of real glass



Solid milled aluminum connection block with anodizing

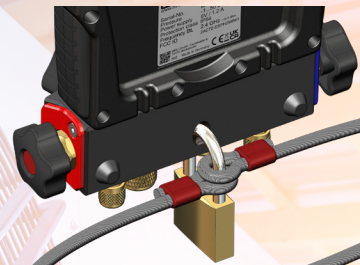
Rear area: Clear assignment of the 4 connections (3x filling hose + 1x vacuum hose)

Front area: Clear assignment of the 4 connections for hose parking

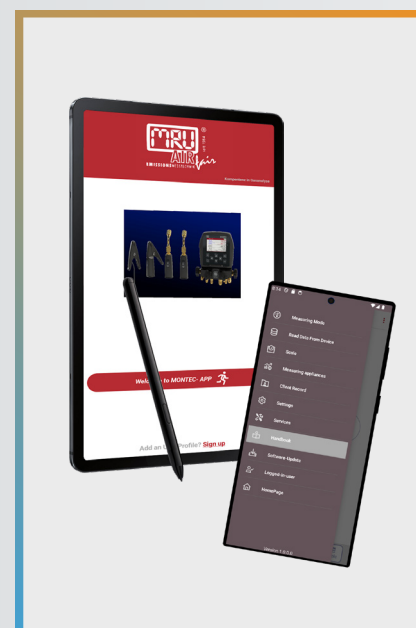
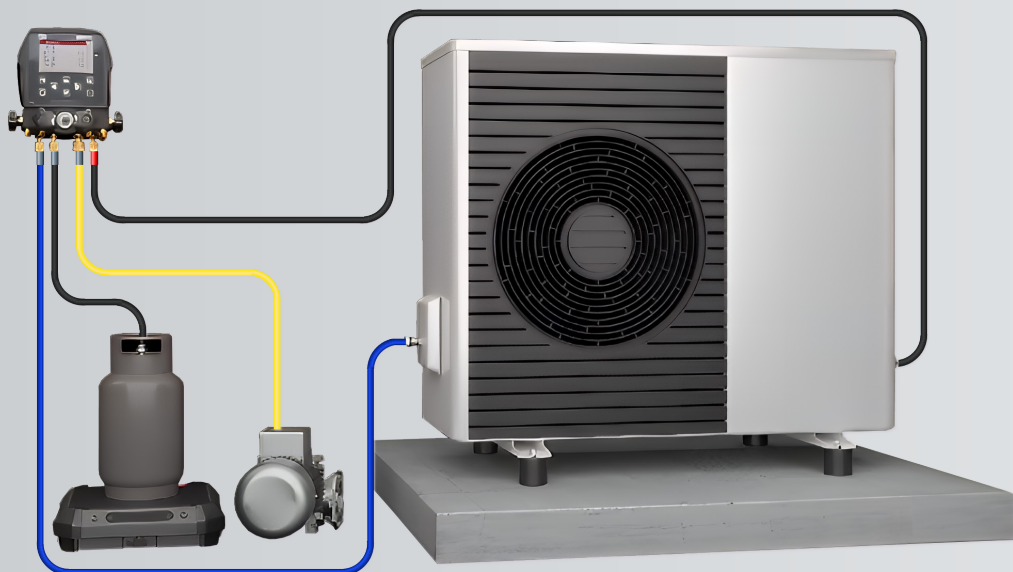
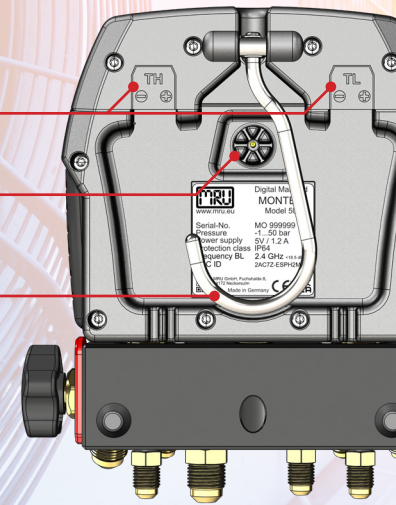
Type - K - Temperature Clamp Ports

Ambient Air - Temperature sensor

Folding hook for hands free operation



Secure locking prevents theft during long-term logging



MRU App
For refrigerant updates and measuring protocols



Temperature clamp
For measurements at metal- or plastic pipes, wireless with Bluetooth-technology to the App or MONTEC



Temperature clamp
For measurements at metal- or plastic pipes, wired with K-Type connection



Modular transportation case
With foam inserts for MONTEC, accessories or scale. These cases can be connected together for ease of handling and transport.



Pressure transmitter 50
With Bluetooth for wireless use, simple measurement of high- and low pressure, connection SAE 1/4"



Pressure transmitter 160
With Bluetooth for wireless use, simple measurement of high- and low pressure, connection SAE 1/4"



Refrigerant scale
Capacity up to 100 kg (220 lbs.) and bottle bottoms up to Ø 250 mm (9.84")

MONTEC

TECHNICAL SPECIFICATIONS

Measured values WLP 50	Measuring ranges	Accuracy
Temperature measurement T1/ T2	-40 ... 1,830 °F with thermo couple Typ K	±2° F or 0.5 % reading*
Pressure	14.5 ... 725 psi (1.00 ... 50.00 bar)	±0.5 % of reading* + 0.1 bar
Vacuum	0 ... 10.44 inH2O (0 ... 26.00 mbar)	±10 % of reading* + 0.010 mbar

Measured values WLP 160	Measuring ranges	Accuracy
Temperature measurement T1/ T2	-40 ... 1,830 °F with thermo couple Typ K	±2° F or 0.5 % reading*
Pressure	14.5 ... 2320 psi (1.00 ... 160.00 bar)	±0.8 % of reading* + 0.4 bar
Vacuum	0 ... 10.44 inH2O (0 ... 26.00 mbar)	±10 % of reading* + 0.010 mbar

Pressure transmitter	Measuring range	Accuracy	Connections	Battery life	Dimensions	Weight
WLP 50	0 ... 725 psi	± 4.3 psi / 2 %	SAE 1/4" male	160 h	1.5" x 7.6" x 1.42"	10 ounces
	0 ... 50 bar	± 0.3 bar / 2 %	SAE 1/4" male	160 h	38 x 193 x 36 mm	0.28 kg

Pressure transmitter	Measuring range	Accuracy	Connections	Battery life	Dimensions	Weight
WLP160	0 ... 2320 psi	± 4.3 psi / 2 %	SAE 1/4" male	160 h	1.5" x 7.6" x 1.42"	10 ounces
	0 ... 160 bar	± 0.3 bar / 2 %	SAE 1/4" male	160 h	38 x 193 x 36 mm	0.28 kg

Temperature clamp	Measuring range	Accuracy	Connections	Battery life	Dimensions	Weight
WLT	104 ... 302° F	± 4°F/0.5 %	2 x Type K	160 h	1.5" x 5.7" x 3.54"	6 ounces
	40 ... +150° C	± 2°C/0.5 %	2 x Type K	160 h	38 x 145 x 90 mm	0.17 kg

Refrigerant scale	Measuring range	Accuracy	Power supply	Enclosure	Dimensions	Weight
Scale	0 ... 220 lbs.	±(0.05 % V. MW + 10 g)	5 x 1.5 V AA for 80 h	Aluminum	11" x 2.95" x 11"	7 lbs.
	0 ... 100 kg	±(0.05 % V. MW + 10 g)	5 x 1.5 V AA for 80 h	Aluminum	280 x 75 x 280 mm	3.17 kg

General technical data	
Operating temperature	-4 ... 122° F (-20 ... +50 °C), max. 95 % RH, non condensing
Storing temperature	-4 ... 122° F (-20 ... +50 °C)
Data memory	256 MB
Interfaces	USB.C, Bluetooth™, (Data transfer to Smartphone, Tablet or PC)
Internal power supply	Lithium-Ion, >20 h (100 % brightness), up to 40 h at 50 %, up to 150 h at display off
External power supply	Charger 100 ... 240 V AC / 5 V DC, 1,200 mA
Connections	Valve block: 7 mm, Port SAE 3/8": 7 mm, Port SAE 1/4": 5 mm
Weight	appr. 3.9 lbs. (1.75 kg)
Dimensions	(W x H x D) 7.5" x 8.2" x 3.5" (190 x 208 x 89 mm)
Enclosure	PA6GF30, IP 54
Refrigerants	R12, R22, R32, R134a, R290, R404a, R407c, R407f, R410a, R417a, R448a, R449a, R452a, R502, R507, R513a, R600a, R744 (CO2)

Data subject to change without notice. | *which ever is larger



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