



A/C, Refrigeration & Maintenance

Diagnostic Refrigerant Analyzer Pur•Chek™ Pro



Bacharach's all new Pur•Chek™ Pro is the ultimate HVAC/R refrigerant analyzer that enables fast and accurate testing of the widest range of refrigerant analysis ever offered in a portable instrument. Pur•Chek™ Pro identifies more than a dozen HVAC/R refrigerants and provides a complete component breakdown of refrigerant blend ratios that can be printed out with the built-in printer. The unit can also "fingerprint" virgin refrigerants and compare them to future samples for a match.

Designed for Consolidators and Reclaimers

With the global mandate to significantly reduce the supply of R22 availability by replacing it with many new refrigerants, understanding which refrigerant you are working with becomes critical business information. Non-dispersive infrared (NDIR) technology determines the weight concentrations of refrigerants and provides a component breakdown of the blend ratios and air. 'Blend-Chek Pro' analytical software quickly and accurately identifies and analyzes common 400 Series refrigerants including R404A, R407C and R410A. Pur•Chek™ Pro automatically determines the purity of refrigerants reducing the potential for human error.

With this diagnostic analyzer, contractors can be sure of the type of refrigerant they are recovering. Refrigerant reclaimers use Pur•Chek™ Pro to check returned refrigerant before it can contaminate their bulk reclaim supply. Pur•Chek™ Pro provides the reclaimer with a quick means of screening a wide variety of refrigerants by both type and quality. It dramatically reduces the need for costly gas chromatograph (GC) testing of small tanks, saving time and money while providing critical analysis of HVAC refrigerants.



Pur•Chek™ Pro Features & Benefits:

- Oil contamination resistant
- Refrigerant composition breakdown of more than a dozen refrigerants
- Vapor or liquid sample analysis
- Internal thermal printer provides documentation on the spot
- If present, air is detected and displayed as an element in the analysis
- Can “fingerprint” virgin refrigerants not on the list (Channel Data Modeling)

Pur•Chek™ Pro Specifications

Detection Principle:	Non-Dispersive Infrared (NDIR); Single Detector with 13 Unique Filters
Identified Refrigerants:	R12, R32, R408A, R409A, R417A, R421A, R421B, R422A, R422B, R422C, R427A, hydrocarbons & more
Identified & Analyzed Refrigerants:	R22, R134A, R404A, R407C, R410A and hydrocarbons
Accuracy:	+/- 2% for Measured Refrigerants
Dimensions:	8 ¼" x 15 ½" x 3 ½"
Weight:	<10lbs
Body Materials:	Durable ABS Housing/Rugged Rubberized Hand Grips
Sample Hose:	R12 (1/4" Flare)
User Interface:	Graphic Display, Soft Keys, Built in Printer
Operating Temperature Range:	50° to 120° F (10° to 49° C)
Operating Humidity Range:	0-95% RH Non-condensing
Sample Gas Extraction:	Pressure from Cylinder or System
Response Time:	< 3 Minutes
Test Sample Size:	5g Per Test
Test Pressure:	30 psi – 500 psi
Power:	110/220 VAC Power Adapter - includes internal 12 – 15V DC Lithium Iron Phosphate Battery
Approvals:	UL, cUL, CE

Pur•Chek™ Pro Ordering Information

2100-8003	Pur•Chek™ Pro
2100-0008	Pur•Chek™ Pro Low Pressure Vapor Sample Hose
2100-0010	Pur•Chek™ Pro Spare Low Pressure Sample Hose Filter
2100-0009	Pur•Chek™ Pro High Pressure Liquid Sample Hose Assembly
2100-0006	Pur•Chek™ Pro Replacement Sample Filter
2100-0003	Pur•Chek™ Pro Printer Paper (1 roll)

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