

YELLOW JACKET®

Refrigeration System Analyzer



Digital color TFT display with adjustable brightness and contrast protected by anti-glare, scratch resistant lens

The new YELLOW JACKET® refrigeration system analyzer features a full color graphics display for intuitive, easy reading. The display reads in analog, digital or a combination of both, and monitors two pressures, two live temperatures, subcooling and superheat, and saturation temperatures (liquid and vapor) for nearly 100 refrigerants.

The analyzer comes standard with the 4-valve TITAN™ manifold, an external, replaceable vacuum sensor and a blow-molded instrument case. No other refrigeration system analyzer on the market today offers all of these features in one unit:

- Nearly 100 NIST refrigerant profiles included (upgradeable via USB for new refrigerants)
- Built-in pressure/temperature chart reference screen for all refrigerants

- Built-in full scale vacuum sensor reads deep vacuum down to 10 microns
- Dual K-Type temperature-compensated sensor ports allow for simultaneous suction and liquid readings
- High accuracy and resolution pressure transducers for fast and sensitive leak detection
- Provides real-time pressure data in selectable time increments: 0.1, 0.2, 0.5, 1 and 2 seconds
- Automatic superheat and subcooling calculations
- Corresponding bubble point and dew points for current high side and low side pressures, respectively
- Displays and records max/min pressures
- Holds current reading/scrolls back to past readings
- Data logging for onscreen review or USB export to PC to generate performance/Excel™ work reports
- Tracks and exports date and time, useful for data logging
- Elevation may be entered manually for accurate, automatic pressure compensation
- Press key in set-up menu to zero pressures
- Selectable “auto power off” and “power saving mode”
- Low battery indicator
- 360° swivel hook stows when not in use
- Highly weather resistant, glass fiber reinforced, engineering grade thermoplastic housing - fully gasketed for water and dust resistance
- Two-year warranty
- Made in the U.S.A.





The YELLOW JACKET® refrigeration system analyzer comes in a blow-molded carrying case complete with a TITAN™ 4-valve test and charging manifold, vacuum sensor cordset, battery holder ('AA' Size, 2X4), instrument boot, bumper, plug, and sensor/probe boots, USB cable, vacuum sensor and two general purpose "K-Type" probes.

UPC #	Description
40812	Refrigeration System Analyzer with TITAN™ 4-Valve Manifold
40813	Refrigeration System Analyzer with TITAN™ 4-Valve Manifold, 60" PLUS II Charging Hoses (RYB) with compact ball valve end, and 3/8" Str. fl. x 3/8" 45° (Y)
40815	Refrigeration System Analyzer with TITAN™ 4-Valve Manifold and 60" PLUS II Charging Hoses (RYB)
Replacement Parts	
40819	Vacuum Sensor Cordset
40820	Battery Holder, 'AA' Size, 2X4
40821	Refrigeration System Analyzer Boot
40823	Refrigeration System Analyzer Battery Door
40824	Refrigeration System Analyzer Bumper, Plug, & Sensor/Probe Boots
40827	USB cable
40828	General Purpose "K-Type" Probe (4 Meter)
69087	Vacuum Sensor

Specifications:

Pressure sensing resolution (low and high sides):

0.1 psi, 0.01 bar, 1 kPa, 0.1 MPA, 0.01 kg/cm²

Pressure sensing accuracy:

0.5% of full scale at 25°C

1% of full scale at 55°F to 130°F

2% of full scale -40°C to 120°C

Working pressure (maximum measurable pressure):

Low side: 0 - 350 psia

High side: 0 - 700 psia

Proof pressure (low and high sides): 1000 psi

Burst pressure (low and high sides): 1500 psi

Temperature sensor range: -100 to 600°F (-73 to 315°C)

Temperature display resolution: 0.1°F or C°

Temperature accuracy: ±1.8°F (±1°C)

Vacuum display resolution:

Shows two most significant digits in microns

(25xxx-10xxx, 99xx-10xx, 99x-10x, 99-10)

Other units are direct conversions from the micron value

Vacuum accuracy: 20% of reading

Operating temperature: -4 to 122°F (-20 to 50°C)

Storage temperature: -20 to 170°F (-29 to 77°C)

Dimensions: 8.3" wide x 6.7" tall x 3.6" deep

(21 cm x 17 cm x 9 cm) excluding manifold

Weight: 3.2 lb (1.45 kg) excluding manifold

Power: AA batteries (8); alkaline, NiCd, NiMH, A-A Lithium,

Li Ion, Li Pol (approximately 14 hours of continuous

use with industrial alkaline batteries)

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