

# YELLOW JACKET®

## Refrigeration System Analyzer



The YELLOW JACKET® Refrigeration System Analyzer (RSA) 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 NIST refrigerants.

- Identify refrigerant “favorites” for faster access
- 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
- 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
- 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
- Two-year warranty
- Made in the U.S.A.

Comes in a blow-molded carrying case complete with a TITAN™ 4-valve test and charging manifold, battery holder ('AA' Size, 2X4), instrument boot, bumper, plug, and sensor/probe boots, USB cable, vacuum sensor and two “K-Type” clamp probes.

### Specifications:

Pressure sensing resolution (low and high sides):

0.1 psi, 0.01 bar, 1 kPa, 0.1 MPA, 0.01 kg/cm<sup>2</sup>

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 display 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 20 hours of continuous use with industrial alkaline batteries)

UPC #	Description
40812	RSA with TITAN™ 4-Valve Manifold
40813	RSA 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	RSA with TITAN™ 4-Valve Manifold and 60” PLUS II Charging Hoses (RYB)
Replacement Parts	
40819	Vacuum Sensor Cord (cord only)
40820	Battery Holder, 'AA' Size, 2X4
40821	Boot
40823	Battery Door
40824	Bumper, Plug, & Sensor/Probe Boots
40827	USB cable
40828	General Purpose Bead Type 10 ft. (3.05 m) Probe
69101	Vacuum Sensor with Cord
69217	1-3/8” Clamp “K-Type” 10 ft. (3.05 m) Probe