

# YJACK® Series Wireless Probes



# YELLOW JACKET®

## YJACK® FOR A MORE CONNECTED TECH.



The YJACK® Series is a network of devices that form a complete platform offering a total HVAC/R diagnostics solution. Multiple devices can measure system and environmental parameters, providing a complete picture of a system's condition.

Each device utilizes Low Energy Bluetooth® (BLE) technology to interconnect with each other and any smart device, Android™ or iOS. Many of the YJACK® Series devices communicate directly with TITANMAX™ and P51-870 TITAN® Digital Manifolds.



**Enhanced YJACK VIEW® App**

- Customized PDF service reports
- Supply and return air enthalpy
- System heating/cooling efficiency
- System Energy Efficiency Ratio (EER)

The YJACK VIEW® App provides ease of access to all information measured by the YJACK® Series of devices and TITANMAX™ and P51-870 TITAN® Digital Manifolds.



# YJACK® SERIES WIRELESS PROBES



## Network of Wireless Devices for a Total HVAC/R Diagnostic Solution

YJACK VIEW® App and measureQuick® App\* provide seamless integration with YJACK® Probes, TITANMAX™ and P51-870 TITAN® Digital Manifolds.



\* See select YJACK® Probes compatible with measureQuick® App.

## YJACK FLOW™ Anemometer **NEW!**

- Measures and displays duct air speed readings in fpm, ft/s, m/s and m/min
- Automatically calculates quantity and location of readings in ducts

67069 YJACK FLOW™ Anemometer



## YJACK VAC® Vacuum Gauge

- System vacuum measurement from atmospheric pressure to 1 micron
- Robust sensor resists pressure shock and oil contamination

67066 YJACK VAC® Vacuum Gauge



## YJACK PATH® Range Extender

- Connects and rebroadcasts up to (6) YJACK® probes and P51-870 TITAN® Digital Manifolds
- Adds up to additional 400 ft line-of-sight signal range per device

67060 YJACK PATH® Range Extender



## YJACK® Temperature Clamp

- Measures surface temperature of pipes up to 1.25" diameter
- Temperature clamp provides strong, secure connection to system

67061 YJACK® Temperature Clamp



## YJACK® Temperature Strap

- Measures surface temperature of pipes up to 6" diameter
- Elastic strap for secure connection

67062 YJACK® Temperature Strap



## YJACK MANO® Manometer

- Measures static pressure up to +/- 60 inches of water column
- Pressure probe tips and adapters included for accurate duct and gas pressure measurements
- Display readings on the local display or remotely with the YJACK VIEW® App

67068 YJACK MANO® Manometer



## YJACK AMP® Current Probe

- Measures current up to 50 Amps AC
- Current Sensor Accuracy: +/-1% of reading or +/- 0.15 Amps

67067 YJACK AMP® Current Probe



## YJACK DEW® Psychrometer

- Measures percent relative humidity, dry bulb temperature, wet bulb temperature and dew point temperature

67063 YJACK DEW® Psychrometer



## YJACK PRESS® Pressure Gauge

- Measures system pressure up to 725 psig (50 bar)
- 45° x 1/4" quick-coupler fitting for versatile system attachment

67065 YJACK PRESS® Pressure Gauge



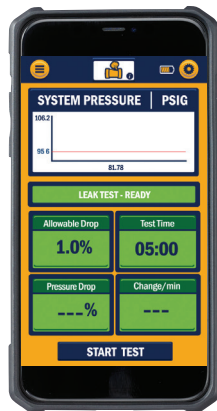
## YJACK VIEW® HIGHLIGHTS:

- Compatible with all YJACK®, TITANMAX™ and P51-870 TITAN® devices (firmware version v4.0 or later)
- Freely navigate between available session types and multiple sessions at one time
- Psychrometric System Efficiency and Leak Test sessions and communication capabilities with YJACK PRESS®, YJACK VAC® and YJACK AMP® in v3.0+; YJACK MANO® update to v4.0+
- Easily place and monitor status of all YJACK®, TITANMAX™ and P51-870 TITAN® devices from one screen
- Adjustable datalog formatting, multiple sampling intervals
- Generate customized and detailed service reports capturing system readings and equipment information



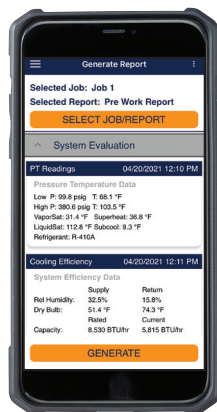
## YJACK VIEW® SMART APPLICATION:

- Measure HVAC/R system pressure, temperature, saturation temperature, superheat and subcooling
- Monitor system evacuation status
- Check indoor air comfort and system efficiency with psychrometric air calculations: percent relative humidity, dry bulb, wet bulb and dew point temperature measurements
- Perform system leak tests and track pressure change over time
- Measure system charge with scale weight readings during charging and recovery operations
- Take electrical current measurements and analyze critical system power information
- Identify duct pressure changes and measure regulator gas pressures
- Generate highly customized and detailed service reports capturing system readings and equipment information
- Monitor status of all nearby YJACK®, TITANMAX™ and P51-870 TITAN® devices
- Freely switch between multiple simultaneous sessions without loss of data
- Customize data view for each measurement in traditional number format or graphically
- Create data logs to be saved or emailed from your smart device
- Choose from relevant refrigerant profiles found in the REFPROP database
- Available on iOS (version 10 or later) and Android™ (version 8 or later) smart devices



## CREATE SERVICE REPORTS

Service report feature creates highly customizable PDF reports of system measurements and service information while storing previous jobs and reports.

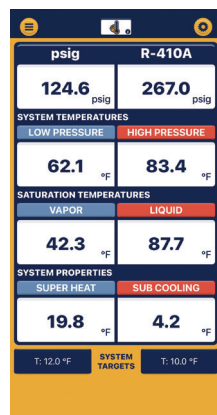


## ENHANCED DATA LOGGING

Record data from one or all current session types. Choose from a variety of sampling rates depending on user need. Live updates to selected devices, units, elevation and refrigerant selection appended to existing data logs. Start and stop data logging at will – save for later or share via email for remote analysis.

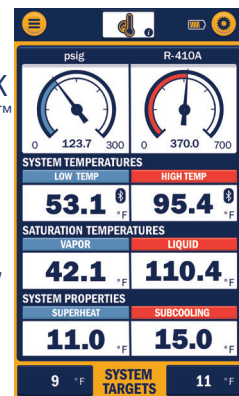
## STATIC PRESSURE SESSION

Displays pressure readings from YJACK MANO® for measurement of duct pressure changes and regulator gas pressure.



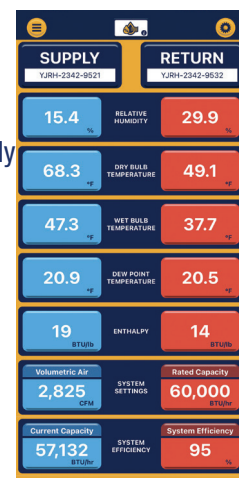
## PRESSURE / TEMPERATURE

View system pressure and temperature data as reported by combination of YJACK PRESS®, temperature clamps, TITANMAX™ or P51-870 TITAN®. Easily select and favorite commonly-used refrigerants for calculating system properties including saturation temperatures and calculated system superheat/subcooling. Effortlessly manipulate data view types, including traditional large numeric format, analog gauge (pressure only) or graphically.



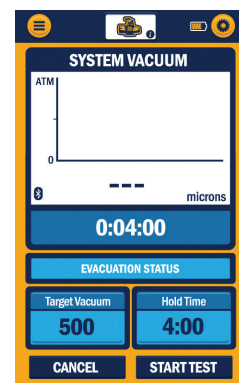
## PSYCHROMETRIC SYSTEM EFFICIENCY

Analyze psychrometric data reported by (2) YJACK DEW® devices. Ensure maximum comfort through wireless supply and return relative humidity, dry bulb, wet bulb, dew point temperatures and enthalpy calculations. Compare system-rated capacity to actual output for overall system efficiency.



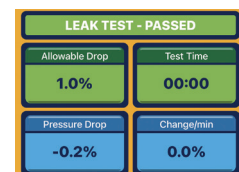
## EVACUATION

Monitor system vacuum as reported by a P51-870 TITAN® external wired vacuum sensor or the YJACK VAC® Wireless Vacuum Gauge. Data can be displayed as traditional large numeric format, analog gauge or graphically. Adjustable vacuum pressure target and hold timer ensures all non-condensable gases are removed from the system during evacuation.



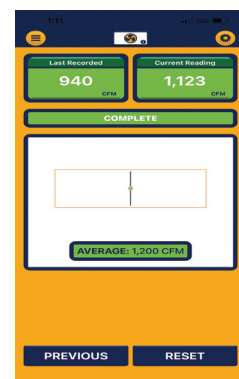
## LEAK TEST

Monitor pressure changes during nitrogen leak testing to verify that system is tight and view system pressure trends.



## CHARGING & RECOVERY

Display scale readings from the Wireless Charging Scale (P/N 68864) to accurately charge systems or to determine system charge amount through recovery.



## ELECTRICAL

Electrical session displays readings from YJACK AMP® Wireless Current Probe while calculating power draw and system Energy Efficiency Ratio (EER).

## ANEMOMETER **NEW**

Automatically calculates quantity and location of readings in rectangular and circular ducts. Complete single line recordings for duct flow comparisons.

# YJACK® KITS



**67070**  
YJACK® Temperature  
Clamp Kit



**67071**  
YJACK® Temperature/  
Humidity Kit



**67072**  
YJACK® Charging Kit



**67073**  
YJACK® Charging & Air Kit



**67074**  
YJACK® Charging &  
Evacuation Kit



## YJACK VIEW® APP SUPPORTED YELLOW JACKET® DEVICES:

- TITANMAX™ Digital Manifold
- P51-870 TITAN® Digital Manifold
- YJACK PATH® Range Extender
- YJACK PRESS® Pressure Gauge
- YJACK VAC® Vacuum Gauge
- YJACK AMP® Current Probe
- YJACK® Temperature Clamp
- YJACK® Temperature Strap
- YJACK DEW® Psychrometer
- YJACK MANO® Manometer
- YJACK FLOW™ Anemometer
- Wireless Refrigerant Scale (P/N 68864)

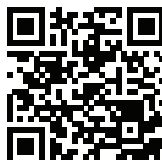
YJACK VIEW® App  
Apple/App Store



YJACK VIEW® App  
Android™/Google Play



Firmware Updates



iPhone iPad



Bluetooth®

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## TITANMAX™ DIGITAL MANIFOLD KIT WITH YJACK® WIRELESS PROBES

### 40887 KIT INCLUDES:

- YJACK® Vacuum Gauge (P/N 67066)
- Set of (6) 60" PLUS II™ Manifold Hoses:
  - (3) RYB compact ball valves (P/N 29985)
  - (1) Y 3/8" str x 3/8" 45° (P/N 18160)
  - (2) Compact ball valve 1/4" x 5/16" (P/N 29425 and 29465)
- (2) YJACK® Temperature Clamps (P/N 67061)
- USB-C Charging/Data Cable (P/N 40847)
- Backpack - multi-pocket (P/N 40845)



UPC #	Description
67060	YJACK PATH® Range Extender
67061	YJACK® Temperature Clamp
67062	YJACK® Temperature Strap
67063	YJACK DEW® Psychrometer
67065	YJACK PRESS® Pressure Gauge
67066	YJACK VAC® Vacuum Gauge
67067	YJACK AMP® Current Probe
67068	YJACK MANO® Dual Port Manometer
67069	YJACK FLOW™ Anemometer <b>NEW!</b>
67070	YJACK® Temperature Clamp Kit: (2) YJACK® Temperature Clamps, (1) YJACK PATH®
67071	YJACK® Temperature/Humidity Kit: (2) YJACK® Temperature Clamps, (2) YJACK DEW® Psychrometers, (1) YJACK PATH®
67072	YJACK® Charging Kit: (2) YJACK PRESS® Pressure Gauges, (2) YJACK® Temperature Clamps
67073	YJACK® Charging & Air Kit: (2) YJACK PRESS® Pressure Gauges, (2) YJACK® Temperature Clamps, (2) YJACK DEW® Psychrometers
67074	YJACK® Charging & Evacuation Kit: (2) YJACK PRESS® Pressure Gauges, (2) YJACK® Temperature Clamps, (1) YJACK VAC® Vacuum Gauge
40887	TITANMAX™ Manifold, YJACK VAC® Vacuum Gauge, YJACK® Temperature Clamps (2), USB-C Cord, Set of (6) PLUS II™ Hoses; Backpack <b>NEW!</b>