

YJACK® Series Wireless Probes



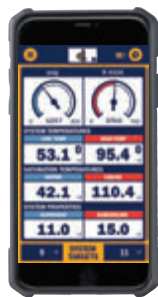
YELLOW JACKET®



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)

**Up to 1000' line-of-sight
Bluetooth® signal range
on select YJACK probes.***

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 1000' Bluetooth® Signal Range

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



67069 YJACK FLOW™ Anemometer

YJACK VAC® Vacuum Gauge 1000' Bluetooth® Signal Range*

- 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 400' Bluetooth® Signal Range

- 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 1000' Bluetooth® Signal Range*

- 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 1000' Bluetooth® Signal Range*

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



67062 YJACK® Temperature Strap

YJACK MANO® Manometer

400' Bluetooth® Signal Range

- 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 1000' Bluetooth® Signal Range*

- 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 1000' Bluetooth® Signal Range*

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



67063 YJACK DEW® Psychrometer

YJACK PRESS® Pressure Gauge 400' Bluetooth® Signal Range

- 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



* See web page for beginning serial numbers for up to 1000' Bluetooth® signal range

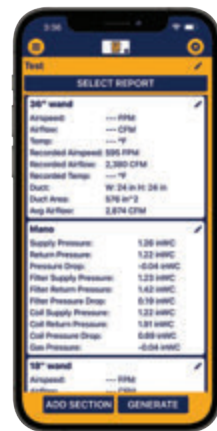
YJACK VIEW® SMART APPLICATION:

- 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



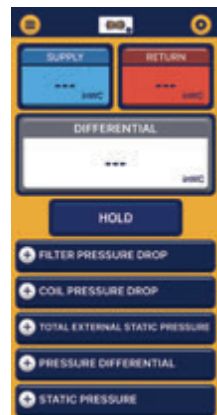
CREATE SERVICE REPORTS

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.

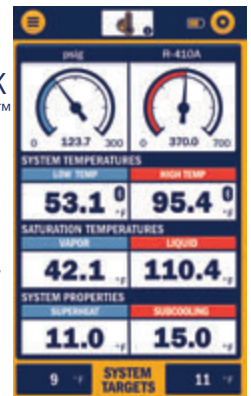


STATIC PRESSURE SESSION

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.



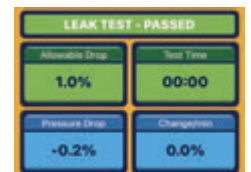
EVACUATION

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.



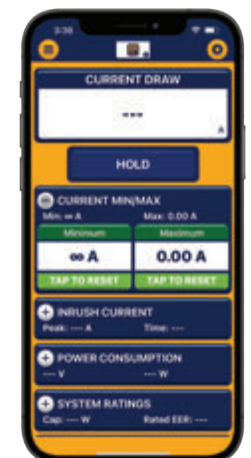
LEAK TEST

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



67090
YJACK® Tool Bag

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 and iPad are registered trademarks of Apple Inc., registered in the U.S. and other countries.
- Android is a trademark of Google Inc.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Ritchie Engineering is under license.



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 NEW!
67090	YJACK® Tool Bag NEW!
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 NEW!