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# P51-860 TITAN™ Digital Manifold P51-870 TITAN™ Digital Manifold

ManTooth App User Guide Full Operation Manual at www.yellowjacket.com

#### Set-Up and General Settings Ay device Yellow Jacket (Galaxy S5) Not visible to other devices. Tap to make visible to nearby devices. v device For Android devices, navigate to your smart phone or tablet's "Settings" and click on "Bluetooth". Make sure Bluetooth is turned on and power on your P51 TITAN. Scan for available devices and select the manifold that you wish t pair to. \*\*\*Note: The P51 TITAN Bluetooth ID can be found or the back of the manifold and starts with the characters "YJP51". Once successfully paired, the P51 TITAN will appear in the list of paired devices. Yellow Jacket (Galaxy S5) Only visible to paired devices. Tap to make visible to other devices. ailable devices **YJP51-1801-0103** ired device: YJP51-1801-0103 \* ilable device No nearby Bluetooth devices found SCAN SCAN Pressure/Temp Session Kerne Session Settings ManTooth™ RSA 🛛 🌣 **く** Back Refrigerants Elevation\* R-11 ŵ R-12 Refrigerant\* Set the refrigerant. Click on the refrigerant from the list. NOTE: To save a common refrigerant for future use, click on the "star" icon and that refrigerant will move to the top of the list for subsequent sessions. R-13 $\bigcirc$ R-21 $\Diamond$ R-22 ☆✓ R-23 obile device must be done settings utility. After the $\Box$ Continue R-32 🔥 R-41 🔥 $\bigcirc$ R-113 $\bigcirc$ R-114 R-115 $\Box$ ect "Pressure/Temp Sessio K Home Session Settings evation Kerne Session Settings Kack Set Equipment Done SET REFRIGERANT **K** Back Locations Refrigerant\* None Specified amed Location SET LOCATION / EQUIPMENT **Un-named Location** SET REFRIGERANT amed Equipment Refrigerant\* None Specified Locations Location Save SET LOCATION / EQUIPMENT Last Name Company Continue Address Set the elevation. If the elevation is unknow, click "U GPS to determine your Set the location and equipment. First, click on the Un-named Location. Then, click on the "+" ic enter a new location if desired, and enter the location information. Click Save. Repeat this proc for the equipment if desired. Click "continue." Vacuum Session ManTooth™ RSA 🛛 🔅 K Home Session Settings K Back Assign & Zero Back Connect Device Done SSIGN DETECTED DEVICE 1000 Devices None Specifie If this session will use a pressure transducer, open it to atmospheric pressure and zero it below (optional). Pressure Readings use in this session. House devices to appear in the Self popup. 10.00 This application requires special YELI JACKET® Bluetooth sensing devices. Fo Bluetooth device being used, the initial with this mobile device must be done us Bluetooth settings utility. After the one nitial pairing, simply turn the Bluetooth Continue SELECT FROM CONNECTED DEVICES: ocation/Equipment ManTooth Digital Manifold Un-named Location 51-1750-0108 Click "None Specified" to identify the P51-TITAN to communicate with the app Set Target Vacuum Level, Target Time for extended pull down, and Location/Equipment information as desired. NOTE: See Pressure/-Temp Session above for details on Location/ Equipment assignment. Select "Continue."

# Page 1

For iOS devices, the Bluetooth connection is made from right within the app. Follow the procedure below and connect to your manifold from the "Assign & Zero" screen.



Navigate to your smart phone or tablet's "App Store" (for iOS) or "Play Store" (for Android). Download, install, and open the ManTooth app. \*\*\*Note: make sure you are running app version 3.0 or higher. Select the gear icon to ender the "General Settions" cerean

K Home General	Settings					
SERVICE MANAGEMENT						
YOUR INFORMATION						
Name						
Company						
PREFERENCES						
TEMPERATURE PREFERENCE						
°Fahrenheit	*Celsius					
	105					
PRESSURE PREFEREN	ICE					
Units	psig >					
ELEVATION PREFERENCE						
feet	meters					

Input the user information, unit of measure preferences, and other general settings.

Back Assign & Zero

SSIGN DETECTED DEVICES

Devices

K Home General Setting	s				
AUTO-SLEEP					
Override Auto-Sleep					
DEVICE CONTROLS					
Power Down Connected D	evices	>			
Calibrate Device Readings					
Restore Factory Defaults					
AUTO-OFF TIMER					
	30 Minute	s			
MANTOOTH 2.0					
VACUUM PREFERENCE					
Units	microns	>			
SOLIND					
Sound Notifications					
croll down to locate	and se	t			
Ill of the setting options.					







with "---" for all values. Click c "---" under "LOW PRESSURE."



The reading screen will now display all of the assigned values.

 Continue
 Assign & Zero

 ASSIGN DETECTED DEVICES

 Devices
 YJP51-1750-0108 >

 If this session will use a pressure transducer, open it to atmospheric pressure and zero it below (optional).

 Pressure Readings

 0.0 psig

 YJP51-1750-0108-P1

 O opsig

 YJP51-1750-0108-P2

 Continue

vacuum gauge n plugged into the P51-TITAN to pro otherwise the "Co button will not b



During the first session, the vacuum gauge will have to be assigned. Click on "---" under "VACUUM."



click on the Subcooling <sup>a</sup>

assign the vacuum gauge. NOTE The vacuum gauge will read "100,000 microns" at all vacuum levels above 100,000 microns, iscluding atmosphomic procurs

#### Vacuum © 1000000 microns TEMP ---Ta to assign

EVACUATION Target 1000 10:00 microns 10:00 MINUTE Rate of microns/mi HOLD TEST

LOG: 0:15 DISCARD SAVE The vacuum level will display on the readings screen and th system evacuation can begin

## Pressure/Temp Session





ne app will remember the



All of the pressures and temperatures will be assigr based on the previous sess previous se de module to low s dings on the screen.



er the initial set-up uence, the connectic ablished to enable fa:

#### Pressure/Temp or Vacuum

		$\sim$							$\sim$
	Vacuum					R-	22	Ċ (	<b>``</b> `
10	0000	0		QLO	W PRE		<u>©</u> ню		
	microns			C	).(	0	C	).(	D
ТЕМР									
	Tap to assign			-0.2 Min	<b>0.0</b> Avg	<b>0.3</b> Max	-0.3 Min	-0.0 Avg	<b>0.2</b> Max
	EVACUATION			SATU	41.	ТЕМР <b>4</b>	SATUI	41.4	темр 4
arget acuum	1000 microns	10:00 MINUTES		LOW TEMP 73.0 °F			чнівн темр 73.1 °F		
ate of hange		O microns/min.		SUPERHEAT			SUBCOOLING		
	HOLD TEST			CALC 114.	.4	ARGET	CALC	т. .5 (	ARGET
OG: 0:15	DISCARD	SAVE		LOG: (	0:00:3	4	DISCA	RD	SAVE
	Dat file: can em a sc dat	a of the se s or screen be sent a ail. Click th reenshot, a log.	ession (da hshots) are s a record ne Camera or click "S	ta log e save of se a icon 6AVE"	CSV d an rvice to sa for tl				

### ScreenShot and Data Log





☆ z x c v b n m ⊗ ☆ z x c v b n m ⊗ 123 😀 🖉 space return

123 😂 👲 space return review of the screenshot and/or data



START TIME June 13, 2016 - 01:19 PM qwertyuiop asdfghjkl

log is shown where notes can be entered. All of the service data is captured on the email. Click "Send."







