ManTooth[™] Wireless Products Vacuum Gauge and Vacuum, Pressure/Temperature Gauge Combination





Eliminate tools, save time, and monitor vacuum process wirelessly.

The Yellow Jacket ManTooth line provides technicians with a full line of wireless, smart-phone controlled product options when servicing cooling and refrigeration systems. The Bluetooth based ManTooth family includes a vacuum-only gauge, a pressure/ temperature only gauge, and a combination pressure/temperature/ vacuum gauge, all available in single and dual units depending upon the needs of the service tech.

Each device utilizes a free downloadable ManTooth RSA app that calculates and displays the systems actual readings in an easy-toread format on your iPhone, iPad, or Android device.

Product Features:

- Interchangeable/removable vacuum gauge
- Easy-to-clean vacuum sensor
- Built-in Schrader ports for easy refrigerant charging
- Operates with and without hoses attached
- Two year warranty •
- High impact glass reinforced housing •
- Built-in rubber side grips •
- Robust/rugged vacuum sensor •
- Integral magnet for mounting on framework
- Integrated rubber side grip for easy handling •

App Features:

- Available in English, French, Spanish, Dutch, and Italian.
- Data logging to record and document values during servicing
- Improved connectivity and reconnect process if signal is lost
- Ability to download logged data for graphing in Excel
- For iOS and Android devices
- Backwards compatible with existing ManTooth Devices (excluding vacuum gauge)

The YELLOW JACKET ManTooth PTV (67023) shown below provides the full set for high and low side readings which

includes dual non-tethered pressure/ temperature gauges, two wired temperature clamps, and one interchangeable vacuum gauge. The single ManTooth PTV (67021) can



be combined with an existing ManTooth P/T device (67001) for adding wireless vacuum capability and/or expanding it to a full system analysis tool.

The ManTooth Vacuum gauge only (67020) is delivered in clamshell packaging while the ManTooth PTV units are supplied in a carrying case. Cases can also be purchased separately.











Made for iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPhone 4, iPad Air 2, iPad Air, iPad mimi 3, iPad with Retina display, iPad (4th generation), iPad (3rd generation), iPad 2

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Pressure/Temperature Specifications:

Pressure Sensing Resolution Pressure Sensing Accuracy Working Pressure Proof Pressure Burst Pressure Temperature Sensor Range (Instrument)

Temperature Display Resolution Temperature Accuracy (Instrument) Working Temperature Storage Temperature

Working Humidity IP Class Battery Life Range Bluetooth Radio Size Weight Superheat and Subcool Max. and Min. Pressures Refrigerant Database Screenshot Feature

Temperature Sensors Pressure Transducers System Attachment

Pressure Zeroing Elevation Compensation Battery

Size Pressure Zeroing Battery Charging Method

Vacuum Specifications:

Cord Length Magnet Strength Operational Temperature Range Calibration Resolution Warm-Up Time Response Time

0.5% of full scale at 25°C; 1% of full scale 55°F to 130°F; 2% of full scale -40°F to 248°F 0 - 700 psia (48.3 bar) Tolerable pressure without internal damage 1000 psia Tolerable pressure without loss of seal 1500 psia Sensing element: -40°F to 266°F (-40°C to 130°C) Max Cord temp: 176°F (80°C); Max Clamp Temp: 203°F (95°C) 0.1°F or °C ±0.2°C (±0.36°F) -4°F to 160°F (-20°C to 71°C) Limited by battery -4°F to 160°F (-20°C to 71°C) For best battery performance do not store at over 100°F (38°C) 0-95% RH (non-condensing) IP 50 10+ hours continuous Up to 400 Feet (limited by phone or tablet Bluetooth radio strength) Class 1 Bluetooth 2.1 Radio 6" long x 1.6" wide x 2.3" thick (15.3 x 4 x 5.8 cm) 0.5 lbs (225 grams) Automatically calculated by the ManTooth App Displays and records the maximum and minimum pressures 98 NIST refrigerant profiles included; upgradeable Save pressure and temperature readings from your sessions which can be automatically organized by location and unit being serviced Capable of measuring 2 temperatures using high accuracy NTC thermistors 67001/67003 - one pressure transducer; 67002 - two pressure transducers Very small internal volume minimizes refrigerant loss during system analysis Standard manifolds and hoses can lose over 50 times more refrigerant with each connection Simple single button zeroing at the start of each session Enter elevation at the start of the session for effortless psia compensation Rechargeable LiPo battery for long battery life and excellent recharging capability for the life of your ManTooth 6.45L x 1.8W x 2.1 H including fitting (16.3 x 4.6 x 3.0 cm) Simple single button zeroing at the start of each session (must be open to atmosphere) Cable included. Utilizes the customer's existing smart device charger)

0.1 psi, 0.1 bar, 1 kPa, 0.001 MPa, 0.01 kg/cm^2

Approximately 33" 8 lbs. holding force 10 – 122F 12 – 50C Calibration standards traceable to NIST .1 micron Instant Instant

UPC #	Description
67001	ManTooth [™] PT Single with Rubber Boot
67002	ManTooth [™] PT Dual with Rubber Boot (tethered)
67003	ManTooth [™] PT Dual with Rubber Booth (non-tethered)
67020	ManTooth V (Vacuum-only) with Side Grip
67021	ManTooth PTV Single with Side Grip
67023	ManTooth PTV Dual with Side Grip
UPC #	Replacement Parts
67030	Vacuum Gauge
67012	USB cord
67013	Boot (for 67001 and 67002)
67014	Carrying Case for 67001, 67002
67031	Carrying Case for 67020, 67021, 67023
93394	Tether cap for 67001, 67002
67032	Tether cap for 67020, 67021, 67023
19020	Hose gaskets (10 pak)
19302	Valve Depressor (10 pak)
19305	Schrader valve (10 pak)
67033	Vacuum Sensor Cleaning Kit







P/T Screen

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