



Vacuum Gauge 605

TestProducts International, Inc.



The Value Leader

Visit www.testproductsintl.com

A. INTRODUCTION

1. Congratulations: Thank you for purchasing TPI products. The 605 is easy to use and built to last. Please remember to complete and return your product warranty registration card.
2. Product Description: The 605 vacuum gauge measures vacuum in Microns for accurate evacuation of refrigeration systems. Please follow manufactures recommendations on all HVAC equipment.

B. SAFETY CONSIDERATIONS

1. Wear safety goggles.
2. Make sure system is at atmospheric pressure before attaching vacuum gauge.
3. Check all connections making sure they are secure with no leaks.
4. Observe all mnuufacturers recommendations.

C. General Specifications

| | |
|------------------------------|--|
| Sensor Type | Thermistor |
| Connector Type | Standard 1/4" Male Flare Fitting |
| Range | 12,000 - 0 Microns |
| Units of Measure | Microns, PSI, InHg, mBar, Pascals Torr, mTorr |
| Over Pressure | 500 PSI |
| Operating Temperature | 32° to 120°F (0° to 150°C) |
| Power Supply | 9 Volt Alkaline |

D. Accuracy

| Measurement | Range | Resolution | Accuracy |
|-------------|--------------|-------------|------------------------------------|
| Microns | 0 - 50 | 1 Micron | +/- 10% of reading, + 10 digits |
| | 151 - 400 | 5 Microns | |
| | 401 - 500 | 10 Microns | |
| | 501 - 1000 | 20 Microns | |
| | 1001 - 2000 | 50 Microns | |
| | 2001 - 12000 | 500 Microns | |

E. MEASUREMENT TECHNIQUES

1. Attach the 605 to the system to be evacuated.
2. Select the desired unit of measure.
3. Start the vacuum pump and proceed to evacuate the system.

Please note: The 605 will not start to display a reading until 12,000 microns (-29.4 inHg) is reached.

| Microns | InHg below ATM |
|----------------|-----------------------|
| 12000 | 29.47 |
| 10000 | 29.53 |
| 8000 | 29.69 |
| 4000 | 29.76 |
| 2000 | 29.84 |
| 1000 | 29.88 |
| 500 | 29.90 |
| 300 | 29.91 |
| 200 | 29.91 |
| 150 | 29.92 |
| 100 | 29.92 |
| 50 | 29.92 |
| 0 | 29.92 |

F. ACCESSORIES

| Item # | Description |
|--------------------|-------------------------|
| A009A | 9 Volt Alkaline Battery |
| A100 | Soft Carrying Pouch |

G. MAINTENANCE

1. Clean the surface of the instrument and optical lens with a damp cloth.
2. Replace the 9 Volt battery when the low battery indicator appears on the LCD.

H. TROUBLE SHOOTING

Symptom

Probable Cause

Display reads “-----”

- Vacuum out of range
- Low battery.
- Clogged inlet.

605 does not turn on.

- Dead or low battery.
- Defective POWER ON switch.
- Broken battery connector.

I. WARRANTY

This product is warranted to the purchaser against defects in material and workmanship for three years from the date of purchase.

Covered by Warranty: Repair parts and labor; or replacement of the product at company's option. Normal transportation charges to the purchaser are also covered.

Not Covered by Warranty: Damages to the product which are the result of abuse, improper use or maintenance are not covered. Any other expense, consequential damages, incidental damages, or incidental expenses including damages to property are not covered. Transportation expenses to the company are not covered.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

To Obtain Warranty Performance: Include with the product: your name, address, phone number, written description of the problem and proof of purchase date. Carefully package and return to:

TPI, Inc.
9615 SW Allen Blvd.
Beaverton, OR 97005
USA

TPI, Ltd.
342 Bronte Rd. S., Unit 9
Milton, Ontario L9T 5B7
Canada

TPI, Europe Ltd.
Longley House, East Park
Crawley
West Sussex RH10 6AP
England

Implied Warranties: Any implied warranties including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to three years from date of purchase. To the extent any provision of this warranty is prohibited by federal or state law and cannot be preempted, it shall not be applicable. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.