

# AUTOMOTIVE TESTING EQUIPMENT

## Compressor Calorimeter

Measure compressor capacity more accurately by utilizing the best instrumentation and technology available to provide the most accurate results for your application needs.

Tescor's calorimeter system provides the customer with control over parameters such as discharge pressure, liquid temperature, suction temperature, suction pressure, compressor ambient chamber and compressor voltage. Tescor also offers a variety of features including a manually controlled calorimeter, a semi-automatic calorimeter with a digital recorder, and an oil circulation control loop for real time oil flow rate control. Tescor has the ability to build calorimeters that fit your industry, application, or component.

### Key Benefits:

- Heat balances within  $\pm 2\%$  with a repeatability of  $\pm 1\%$
- 2% agreement or better measured mass-flow vs. calculated mass-flow

### Applications and Test Types:

- Compressor R&D
- Certification programs
- Energy efficiency audits
- Life cycle testing
- Oil concentration/flow rate testing

### Specifications:

- Refrigerants Tested
  - R-12
  - R-134a
  - R-404a
  - R-407C
  - R-410a
  - R-448a
  - R-449a
  - R-507
  - R-600a
  - R-1234yf
  - R-744 (CO<sub>2</sub>)
  - Others available
- Capacity Range from 200 BTUH to 310,000 BTUH (100Kw) with 10:1 turndown range

