



# AUTOMATIC OXYGEN BOMB CALORIMETER BPTL-303

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Meters of Petroleum Equipment measure the consistency of lubricating greases (Penetrometer) or determining their heat value which do not contain water, coal, paraffin and other combustible substance (Oxygen Bomb Calorimeter) or can trace low levels of free, emulsified and dissolved (Coulometric Karl Fischer Titrator)

Used in Petroleum Industry, Petrochemical Industry, Oil Industry.

## BPTL-303 AUTOMATIC OXYGEN BOMB CALORIMETER



The instrument is suitable to determine calorific value of combustible materials such as petroleum products without water (gasoline, jet fuels, diesel oil and fuel oils, etc.), coal, coke and paraffin, etc. This instrument adopts sealed oxygen bomb. The whole structure adopts stainless steel material. The inner water cylinder is composed of stainless steel sheet. The cross section is pyriform and the capacity is 3kg. The external water jacket is double layer container. It filled with water when doing determination. It make the water temperature in the cylinder uniform by water jacket stirrer and form the constant temperature environment meeting the requirements of test.

## SPECIFICATIONS

|                                   |                      |
|-----------------------------------|----------------------|
| Model                             | BPTL-303             |
| Heat capacity                     | 14400 J/K~14500 J/K  |
| Pressure endurance of oxygen bomb | 20 MPa               |
| Temperature measurement range     | 10 °C~35 °C          |
| Repeatability                     | ≤0.2% (Grade C)      |
| Resolution                        | 0.001 K              |
| Measurement accuracy              | ≤ 60J/g              |
| Data saved                        | 31 pieces            |
| Relative humidity                 | ≤ 85%                |
| Power supply                      | AC(220±10%)V, 50Hz   |
| Total power consumption           | ≤150W                |
| Dimension                         | 600×460×430 mm       |
| Optional accessory                | Pellet press machine |



**Biolab Scientific Ltd.**

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada  
Email: [contact@biolabscientific.com](mailto:contact@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)