

**FPL-008    HYDRAULIC RAM TEST RIG****RANGE OF EXPERIMENTS TO BE CARRIED OUT:**

1. To Study the performance Hydraulic ram
2. To Observe the Supply Head.
3. To Observe the Delivery Head.
4. To Calculate the Efficiency Of Ram
5. To plot the efficiency of Ram

**TECHNICAL DESCRIPTION :**

The hydraulic ram is a equipment utilizing the 'Water hammer' Principle. Rams are used where natural source of water like spring or stream at low head is available at a nearby place to pump the part of water to higher heads. In present setup ram is fixed with overhead tank through pipe. Supply head and delivery head is measured by using pressure gauge. A sump tank with pump is provided for filling the overhead tank. Discharge through the ram is measured by using notch and measuring Tank.

**DIMENSIONS AND WEIGHT :**

Size :1.5 m.(L)x 1.0 m(W) X 3.0m ( H ) ,

Weight :Approx. 75 Kg

**SERVICE REQUIRED :**

230 v Ac Supply 50 Hz

Water : 150 ltr

**SCOPE OF DELIVERY:**

1. Experimental Setup
2. Instructional Manual