



THE LAB EQUIPMENT

Email : [sales@thelabequipment.com](mailto:sales@thelabequipment.com)

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**Product Name :**

Pipe Surge and Water Hammer  
Apparatus

**Product Code :**

SLE/MCE/37





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## Description :

### Feature:

- Water hammer demonstrations are conducted using the second test pipe, which incorporates a fast acting valve at the discharge.
- Tapping's incorporating electronic pressure sensors are located in the test pipe adjacent to the fast acting valve and half way along the test pipe.
- These sensors measure the high-speed pressure transients inside the pipe as the water hammer travels backwards and forwards along the test pipe.
- The time delay between the sensors can be used to determine the speed of sound through the water that is attenuated by the elasticity of the metal pipe wall.

### Specification:

- **Test pipes:** Stainless steel, 20.2 mm inside diameter.
- **Test pipe length:** 3 m long
- Surge shaft clear acrylic, 40 mm inside diameter, 800 mm high.
- Head tank PVC
- **Capacity:** 45 liters
- **Dimensions:** 3500-x800 x 1600 mm
- **Weight:** 120kg

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