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Product Name :
Pipe Surge and Water Hammer Apparatus

Product Code :
LBNY-0005-103000288



Description :

A free standing unit developed to demonstrate the phenomena of pipe surge & water hammer when connected to a Hydraulics Bench.

Electronic sensors used to measure pressure transients at two locations in the water hammer test pipe, one adjacent to fast acting valve and one half way along the test pipe.

Includes two separate stainless steel test pipes, both 3m long, constant head tank, slow acting valve, fast acting valve etc

Straight metal pipes used, rather than a coiled arrangement, to minimize distortion to the pressure profile

A transparent surge shaft (40 mm diameter and 800mm high) with scale allows transient water levels to be observed and timed

Pressure transients monitored using a PC (not supplied) using a USB connection from the pressure transducers (requires no external electrical supply).

Technical Specification :

Technical Details:

Head tank: PVC, capacity 45 litres

Test pipes: Stainless steel, 20.2 mm inside diameter, nominally 3 m long

Surge shaft: Clear acrylic, 40 mm inside diameter, 800 mm high.

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