

## LEVEL MEASUREMENT BENCH

**REFERENCE : MP84-A**



*Non contractual photo*

**SERVICE : POWER SUPPLY: 230 V, 50 HZ,  
250 W. CLEAN WATER: 4 BAR, 20 ° C, 500 L  
/ H.**

**DIMENSIONS : 850 X 450 X 1150 MM**

**This bench makes it possible to implement different level measurement technologies used in the industry :**

- Study of the implantation of the sensors and their calibration
- Study of the different cases of applications
- Determination of sensor characteristic curves and their accuracy

A container is equipped with a water supply with an adjustable pressure regulator (0 to 3 bar), a flow control valve, an overflow, a total drain valve, a an evacuation with a leakage flow control valve and a level marking ruler. In the container are installed several types of level measuring sensors: ultrasonic, capacitive effect, float and hydrostatic pressure. The display of the various sensors is common and located in an electrical box with all the power supplies. A 4-position switch selects the measuring principle. The device is mounted on a welded stainless steel frame.

### Technical specifications :

- 2 valves for regulating feed rate and PVC membrane outlet flow.
- An altuglas container with lid supports level sensors.
- Capacitive effect level sensor with insulated rod,
- An ultrasonic level measurement sensor,
- A hydrostatic pressure level sensor
- Float level sensor,
- A digital indicator with graphic display, 4 to 20 mA input, copy output measures 4 to 20 mA.
- An electrical box, waterproof IP 55, comprising: a lockable disconnecter; A power-on LED Emergency stop; A level indicator with multipaths.