

## Level measurement unit

### DESCRIPTION

- The level measurement unit comes complete with instrumentation and includes a technical and instructions manual.
  - Designed and manufactured to industrial standards.
  - This unit is designed for different levels and fields of study.
  - Inputs and outputs can be connected with female connectors of 4 mm diameter.
  - Options :
    - Interface and software for P.C
    - Utility module
- The control and regulating modules can be connected in series or parallel.



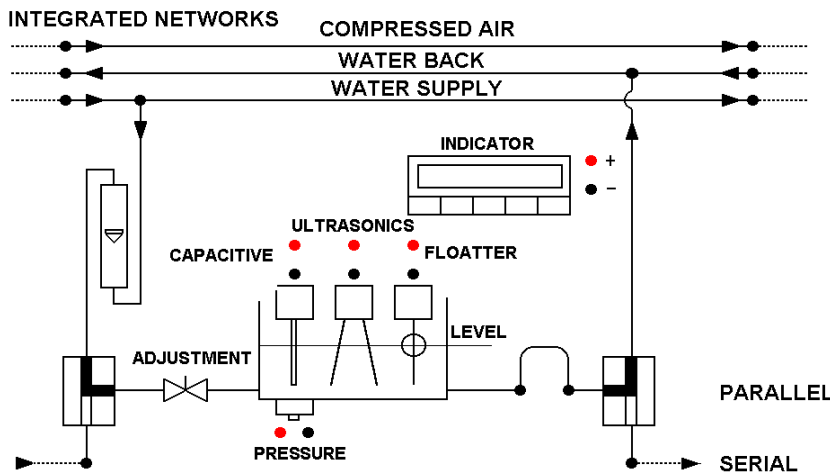
### SUGGESTED APPLICATIONS

Illustration of different theoretical principles that apply to level measurement.

Manipulation methods

- Characteristic curves
- Comparison of sensors
- Adjusting the indicator
- Calibration of sensors against a reference.

# BMN 100



## Capacitive measurement

PTFE isolated iron rod, mass tube  
Pre-amplification with 400 kHz  
measuring frequency  
Scale : 0-450 mm  
Level proportional current output

## Measurement by floater

316 stainless steel rod construction  
and floater  
Resolution : 10 mm  
Scale : 45-455 mm  
Signal converter - output 4-20 mA

## Measurement by ultrasound

Frequency : ~ 200 kHz  
Emission angle : 5°  
Scale : 0.2-1 m  
Reproductibility :  $\pm 0.5\% \pm 2$  mm  
Signal converter - output 4-20 mA

## Measurement by hydrostatic pressure

Capacitive cell, temperature compensation  
Scale : 0-600 mm CE  
precision :  $\pm 0,5\%$  of the full scale  
Current loop output 4-20 mA

## Numeric indicator

Programmable with microprocessor  
Degree of accuracy : 0.2  
4 digit display

## Multirevolution regulation valve

## UTILITIES

Electricity : 230 V single phase - 50/60 Hz  
Water : 10 L/min. - 3 bars (44 psi)

## DIMENSIONS

Length : 780 mm - Width : 570 mm - Height : 590 mm  
Weight : 40 kg