LEVELPRO 6100
Advanced Liquid Level Sensor

APPLICATIONS
- River, irrigation, channel water level & discharge monitoring
- Groundwater level and landfill monitoring
- Dam, tank and reservoir levels
- Tidal monitoring
- Waste water monitoring
- Flood warning systems
- Process industry liquid level
- Requires external gas bottle and regulator

FEATURES
- Accuracy better than ±0.05% of full scale
- Compact, robust design
- Simultaneous analogue and digital data output
- Integrated LCD display and keypad
- Low cost of ownership
- Ranges 0-5m to 0-70m
- Stage - volume conversion
- 3 Year Warranty
**OPERATION PRINCIPLE**

The 6100 LevelPro determines water / liquid level by measuring backpressure of a gas bubbler system. A low cost plastic tube is submersed in the fluid to be measured and purged with inert gas. The pressure of the ‘head’ of water above the tube orifice is the same as can be measured up at the ‘dry’ end where the pressure is measured and converted to head of liquid. The key advantage of this technique of level measurement is that the electronics are remote from the fluid, ensuring long term reliability, low risk and reliability.

The LevelPro 6100 advanced liquid level sensor is ideally suited to accurately measure pressure in gas bubbler systems used for water level determination. For process industry applications where instrumentation cannot be in contact with the liquid, the 6100 can be used remotely from the liquid being measured and features a level to volume conversion for typical container shapes. Pressure measured by the 6100 is converted to water/liquid level, or tank volume. Featuring micro-processor controlled, state of the art electronics, the 6100 delivers excellent precision and stability and offers simultaneous analogue and digital outputs for direct, easy connection to most popular input devices including loggers, PLCs and RTUs. The levelpro is housed in an attractive machined plastic enclosure and is sealed to IP67 and NEMA 6 standards. The multi-line LCD display allows easy configuration of the sensor and shows current readings. Sensors are supplied with power, signal cables and comprehensive user manual.

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**DIMENSIONS**

![Dimensions in mm](image)