

PNL :

(PURE PNEUMATIC TYPE TANK LEVEL GAUGING SYSTEM)

» Operating Principle

The operating principle is based on the measuring the hydrostatic pressure by providing constant low flow of air into a sounding pipe which opened at the tank bottom. When air is discharged through the sounding pipe opening at the tank bottom, the air pressure corresponding to the liquid (depends on specific gravity) level will be built up in the sounding pipe and calculate the distance from the pipe opening to the surface of liquid. The pressure is displayed on the pneumatic indicator scale in meters or volume or percent of full tank.

» Technical Specification

Flow rating	6~80 Nℓ/h (N : 0°C, 1atm)
Operating temperature range	-25 ~ 85 °C
Supply air setting pressure	4.5 kg/cm ²
Signal line size	OD 8mm, 10mm
Accuracy	±1.0% of full span
Materials	Air purge head : SUS316L

» Applications

- Ballast tank remote reading

- Draft, heeling and trim remote reading

- Fuel oil tank remote reading

» Features

- Simple configuration & installation

- Accuracy for compliance

- Compatibility for retrofits

- Ex-proof is not required

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System Diagram

