

performance of other equipment or which could cause annoyance or discomfort to personnel.

- L. The presence of radio frequency radiation such as from portable VHF or UHF transducers shall not be detrimental to the performance of the control and instrumentation equipment.
- M. Sensor points for pressure, temperature shall have a valved test connection for hand-held control/calibration instruments.
- N. Zener barrier shall be provided for analogue signals wired to terminals for field mounted instruments located in hazardous areas
- O. Signal isolators shall be provided wherever an analogue signal is to be used for process / monitoring at more than one location

1.3.28.1 Accuracy

- A. Unless otherwise specified, the instruments used shall comply with the accuracy listed below:

Parameter	Max. Error *)
Temperature	+/- 0.15 % of full scale
Pressure	+/- 0.50 % of full scale
Flow	+/- 0.25 % of full scale
Level	+/- 0.50 % of full scale
Analytical	see specification

*) full scale is the actual factory or field calibrated working range of the instrument.

- B. Instruments / analyzers shall be arranged and installed at points of the systems only where interference factors of the media to be measured are zero or at the level tolerated by the instrument / analyzer for accurate measuring and reading without any fluctuation and / or malfunction, e.g. the velocity / flow profile must be fully developed, etc.
- C. The hysteresis factor shall be as small as possible and shall be stable for a long period, the repetition factor shall be $\leq \pm 0.10$ % of the value measured.

1.3.28.2 Level Control & Measurements LT

Level Instrument (Hydrostatic, Ultrasonic)