

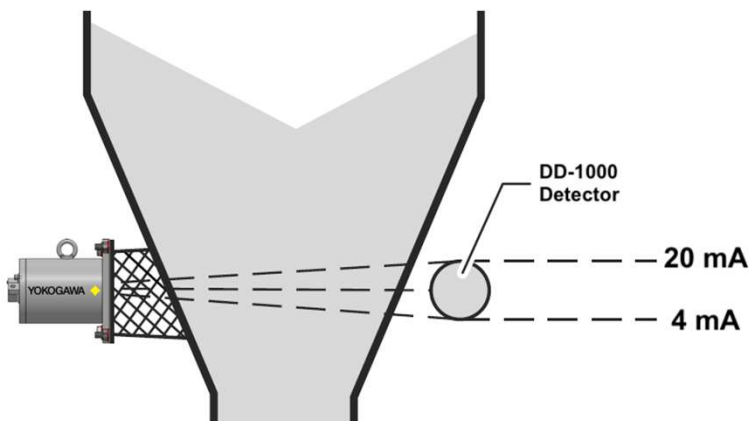
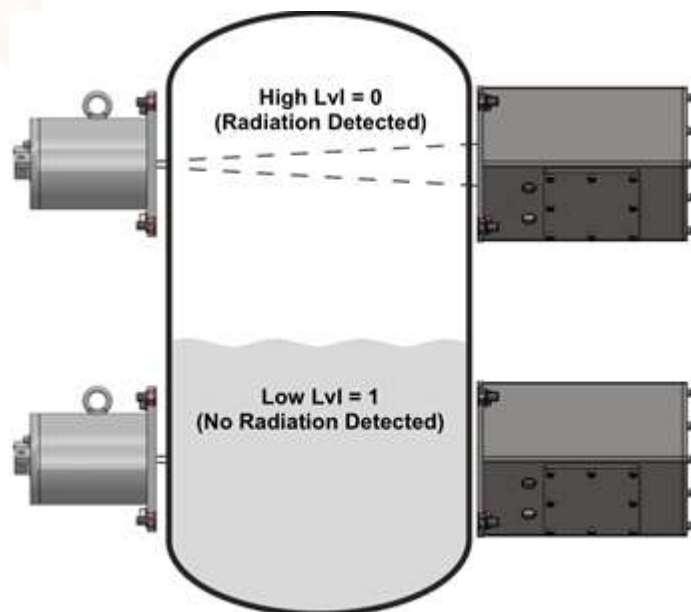


DD-1000 Digital Point Level

The **DD-1000** is an advanced nucleonic Point Level Gauge from **Real Time Instruments**. The unique iPad® Interface allows the operator to connect wirelessly to the gauge for control over all functions and parameters.

DD-1000 Digital Point Level Gauge

Point level measurement on
Slurries,
Sewerage Sludge
and Liquids



Used for level detection on silos, tanks, surge bins, autoclaves as well as blocked chute or cyclone detection.



Specifications

Source holder	RTI 500mCi / 18.5GBq (Cs-137) source holder <ul style="list-style-type: none"> • All stainless steel construction • Drop tested and fire proof • Rotary shutter • Meets or exceeds internationally accepted safety standards • Also compatible with most third party source holders (contact RTI for further information)
Radioisotope	Double encapsulated Cs-137 or Co-60
Detector	
Detector Element	Sodium Iodide scintillation detector with integral photomultiplier
Electronics	Fully integrated with detector
Housing	IP67 316 stainless steel, with stainless steel mounting brackets with multiple mounting arrangements
Power	88-264 VAC single phase, or 24VDC
Data Integrity	Radioactive Decay Clock No data loss with power off
Communications & Control	Output: 4-20mA % Level, Or Digital output for point level applications (Contact rating 24V) Setup/Control/Calibration/Diagnostics: iPad® via wireless communications* (iPad® and Point Level App included) ModBus® & HART also available
Display	Integral backlit LCD display on Detector Housing: Displays Raw counts displayed for reference and basic diagnostics
Performance and Environmental	
Temperature Drift	± 0.00003 SG units / °C
Operating Temperature	0 – 80 °C
Vibration	2.5 g at 100 Hz
Humidity	5% - 95% RH non condensing

iPad® Point Level App Features

- Control multiple gauges using 1 iPad®; records from all gauges are stored on the iPad®, just select the Gauge of interest from the menu.
- Detailed Help **Manual** within the App
- Powerful Setup, Calibration and Diagnostic functions
- Graphical display of Level; view trend in real time (data logging interval adjustable)
- Histogram Display of reference trend for last 10 calibrations, showing % variance
- Ability to enter an offset “on-the-fly” if needed to bring the Gauge reading into line with “known” Level
- Full detector spectrum plot for in-depth diagnosis as well as detector resolution and interrogation.
- All data downloadable via iTunes® for backup purposes and more...

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