

The AM843 Point Level Switch is a non-intrusive, non-contact Nuclear Level Switch which can accurately determine the point level of a process in a vessel. The AM843 provides plant operators with accurate, fail-safe level protection for tanks, vessels and bins.

AM843 Nuclear Level Switch

Point Level Detection System



The AM843 utilizes the latest in microprocessor technology, combined with user-friendly, menu-driven software to provide an accurate and easily installed level gauge. The sensitive detector allows smaller sources to be utilized compared to equivalent instruments. Advantages of the AM843 include:

- Non-intrusive level detection, suitable for applications containing a high temperature, highly toxic or highly corrosive process
- Microprocessor electronics and highly sensitive detectors ensure reliability and accuracy
- Can be configured for single or dual point detection
- Rugged construction for the harshest of application environments
- Sensitive scintillation detectors ensuring the use of low strength isotopes
- User friendly menu ensures easy set-up and calibration
- Auto source decay compensation

AM870 High Performance Density Gauge

Detector Assembly

Model	AM771
Detector Type	NaI scintillation detector
Material of Manufacture	Epoxy coated mild steel or optional stainless steel
Ingress Protection Rating	IP66
Mass	25 kg (55.1 lb)
Temperature Rating	0°C to +60°C (+32°F to +140°F)
Cabling Supply	2 pair, overall shielded, 10 m (32.8 ft) standard up to 1000 m (3,280 ft) maximum.

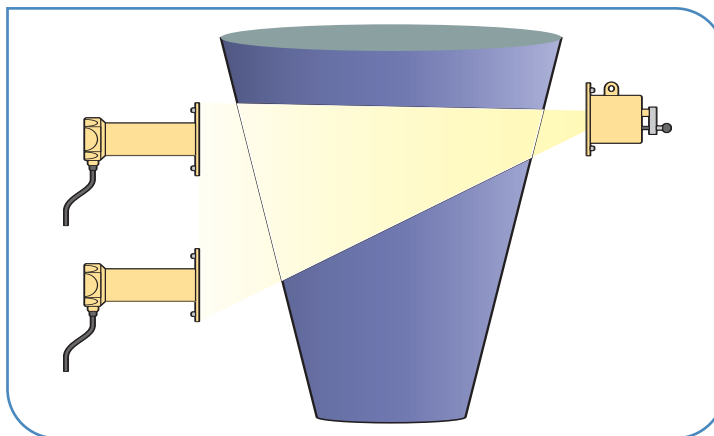
Controller Assembly

Model	AM769
Power Supply	110 to 240 VAC, 50-60 Hz Auto Sensing
Circuit Construction	16-bit microprocessor 32K memory (battery backed) Analogue I/O 12-bit resolution 16-character LCD (backlit) LED indicators on all I/O 16-key polycarbonate membrane Enclosure IP66 rated injection moulded thermoplastic
Temperature Rating	0°C to +60°C (+32°F to +140°F)
Mass	5 kg (11.0 lb)
Mounting Type	Wall mount
Material of Manufacture	Injection moulded thermo plastic
Outputs	Two relays for level indication and control, contacts rated at 25 VAC, max 2A Two relays for status indication, contacts rated at 250 VAC, max 2A
Decay Compensation	Yes
Temperature Stabilization	Yes
Gain Stabilization	Yes

Source Housing

Model	AM426
Material of Manufacture	Epoxy coated mild steel over lead
Shutter Type	Rotary mechanical
Source Type	Either Cs-137 or Co-60
Mass	45 kg (99.2 lb)
NHMRC Approval	Yes

AM843 Nuclear Level Switch function



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