



# A.T. Monitors

A leader in leak detection and level monitoring equipment

## ATI-5020 Liquid Level Probe

The ATI-5020 Liquid Level Probe provides incremental level monitoring for most liquids. A change in the level of liquid (in a tank, vat, well, etc...) moves one or more magnetic float(s) up or down the probe, tripping the internal sensor(s) and activating a corresponding indicator and/or alarm at the monitor.

### Measurable Liquids

Water, petroleum products (i.e. gasoline, diesel, waste oil), chemicals, etc...

### Sensor (Explosion-proof)

Immersion type stainless steel probe with one or more internal sensors which are activated by an external magnetic float. The probe-to-bottom depth can be adjusted with the compression fitting.



**IMPORTANT:** This passive device must be used with an Armstrong Technologies Inc (or compatible) liquid monitor, or an approved zener diode IS barrier and in compliance with applicable federal, provincial, state and local laws and regulations. Product selection should be based on physical specifications and limitations and compatibility with the environment and materials to be handled. **Armstrong Technologies MAKES NO WARRANTY OF FITNESS FOR A PARTICULAR USE.** All information and specifications in this literature are based on the latest product data available at the time of publication. Armstrong Technologies reserves the right to make changes at any time in prices, materials, specifications and to discontinue products without notice or obligation.

### COMPATIBLE MONITORS



ATI-5100



ATI-6107



ATI-1503 Series

### Output(s)

*Standard:* One to 4 level contacts.

*Circuit(s):* Normally Open.

*Options:* 5 or more levels.

### Dimensions

*Lengths:* 2 to 8 feet in 1 foot increments (measurement range). Custom probes are available in non-standard lengths. **NOTE: Probes over 10'11" are not CSA certified.**

*Standard Mounting:* 2" NPT male threaded reducer. For other sizes contact Armstrong Technologies.

### Operating Temperature Range

-40\* to +80 °C (-40\* to +176 °F).

\* Depends on freezing point of the liquid and/or "pour-point" rating (i.e.: P-30 liquid freezes below -30°C).

### Electrical Rating

100 mA @ 24 VDC/VAC, resistive.

### Response Time

Instantaneous (depends on rate of change of level).

### Repeatability

Excellent, even after repeated immersions.

### Installation Wiring

2 to 8-conductor shielded cable.

### Warranty

One (1) year, limited warranty.



Certified  
explosion-proof  
Class I, Groups C & D



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