



# IntelLevel

ZTR CONTROL SYSTEMS

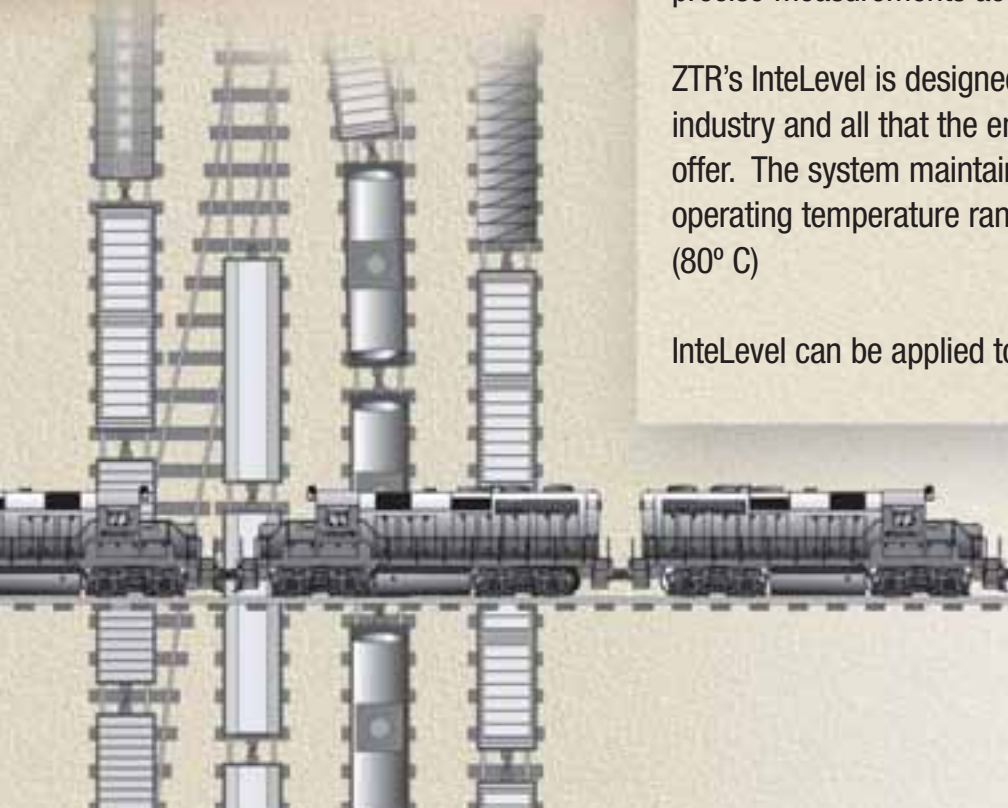
The Industry Leader In Automatic  
Locomotive Shutdown/Restart Systems

IntelLevel  
accurately  
measures  
fuel and other  
liquid levels  
for the railroad  
industry

IntelLevel takes the guesswork out of fuel and other liquid measurement. This high performance measurement technology includes solid state electronics and guided microwaves that can make precise measurements accurate up to +/-1%.

ZTR's IntelLevel is designed for the rigors of the railroad industry and all that the environmental extremes can offer. The system maintains accuracy throughout its operating temperature range of -40° F (-40°C) to 176° F (80° C)

IntelLevel can be applied to virtually any type of tank.



# A Highly Reliable System

## How InteLevel Works

This patented leading-edge measurement technology operates on the principal of sending guided microwave pulses along a tank mounted, stainless steel waveguide. The pulse is reflected from the surface of the liquid, measured and converted to a displayed value of gallons or liters. Unaffected by mounting angle, foam, rust, scale or other commonly found tank conditions, the tank level can also be transmitted to another site when InteLevel is combined with remote communications capability. Tell us your maximum tank capacity, define the tank style/shape, follow our installation instructions and enjoy the benefits of an accurate, maintenance free, fuel level measurement system.



## Components

**Level Sensor** – Stainless steel probe with a weather tight, mil spec, powder coated, grey aluminum sensor head. The sensor head comes complete with a backlit display. Total length (locomotive fuel tanks) is 49.5 inches. Weight is 5 pounds.

**Power/Interface Module** – A powder coated, NEMA 4 rated, steel enclosure containing an isolated power supply for the sensor and display(s). Power input is 22 to 80 volts DC. As an option, this enclosure will house a communications interface.

**Call Today**  
**To learn more about**  
**InteLevel**



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