

ADJUSTABLE SETPOINTS

Setpoints are set at the factory, and feature an adjustable High Level to Overfill range of 7.5".



Excerpted from Federal Register, 21 Oct "94" 33CFR Part 155 Minimum Standards For Overfill Devices; Barges

The Coast Guard will allow the owners and operators of tank barges to select one of three alternatives: (1) an overfill alarm on each tank which includes circuitry to sufficiently identify which individual tanks' overfill system is alarming, (2) an automatic shutdown system for the entire barge and transfer facility, or (3) a high level indicating device installed on each tank, such as a stick gauge.

The ERL Rising Stick Alarm satisfies two of the CFR requirements for overfill devices.

ERL's magnetically coupled rising stick gauge is designed to provide continuous visual liquid level indication on the cargo tank top. The length of indication is specified when ordering and can include full compartment depth configurations. One meter of indication reflecting the liquid level in the upper one meter of the cargo compartment is typical and fulfills the minimum requirements set forth in 46 CFR 39.20-3(b) as well as OPA 90 requirements for overfill devices. The tricolored gauge rod with a powerful magnet at its base is positioned inside a stainless steel pipe extending down from the tank top. A 7" diameter float with powerful magnets inside floats up and down the sealed pipe with changes in the liquid level. Due to the powerful magnetic coupling between the float and the internal gauge rod, they move together providing a continuous visual indication of liquid level on the tank top. When not in use, and with the tricolored gauge rod lowered within the stainless steel tube. a protective weather cap, with tether, is screwed in place. The operation is fully automatic, but the user must remove the weather cap prior to each use and replace the cap after each use.

