

# ICL CALIBRATION LABORATORIES, INC.

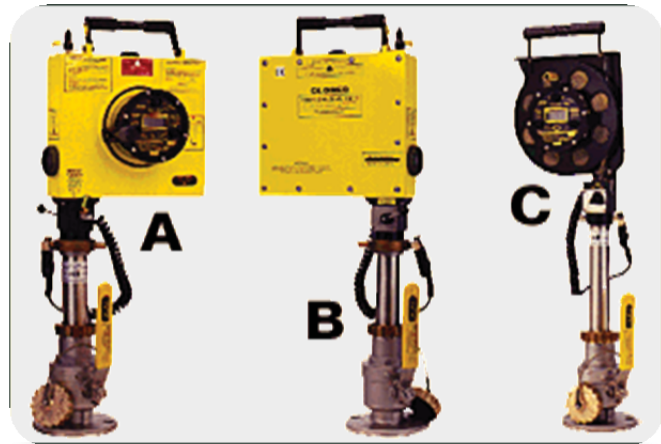
ISO/IEC 17025 & ANSI-NCSL Z-540-1 Accredited

Setting new standards in calibration excellence!

## PORTABLE ELECTRONIC GAUGING TAPES

### Ullage \* Temperature \* Interface

#### CLOSED (GAS-TIGHT)



MMC is the world's leading manufacturer of portable instruments for measuring ullage, oil-water interface, temperature, and bottom dryness in shipboard and land-based petroleum and chemical tank systems. All MMC systems are manufactured in the United States and are certified as intrinsically safe by Factory Mutual, BASEEFA, CSA and SAA.

The Portable Closed Flexi-Dip measuring tape is a battery-operated electronic unit that is totally gas-tight. When installed in a vapor-control valve mounted on a storage (cargo) tank, it forms a tightly sealed system that prevents toxic vapors from escaping and creates a closed gauging system for that tank. The tape is marked in metric or english units and is anti-static coated (as is the sensor). In addition, the tape is color marked to make tape direction and motion easily seen and to ensure full rewind position. A coiled grounding cable with large alligator clip is standard. This closed system is recognized by many worldwide regulatory bodies as equivalent to a fixed gauging system as long as the tape remains in the valve from the beginning until the end of loading or discharging of the tank.

#### SPECIFICATIONS

##### Accuracy

- of Tape Reading: Fluid level +/- 1/8 inch (3mm), +/- 0.01% of F.S. tape LGT (F.S. = Full Scale).
- of Temperature Display: +/- 0.5° F (+/- 0.3° C), +/- 1 digit error.

**Ambient Temperature Limits:** -20° F (-7° C) to 120° F (49° C).

**Product Temperature Limits:** -40° F (-40° C) to 180° F (82° C).

**Battery:** 9-Volt Eveready # 522 or Mallory MN1604.

**Tape Lengths:** 50 ft. (15m), 75 ft. (25m), 100 ft. (30M).

**Typical Weights:** 14 lbs. (6.4 KG).

**Pressure Limits:** 3 psi working, 7.5 psi maximum.

**Approvals:** Intrinsically safe--FM, BASEEFA, CSA, SAA, NKK (Japan).



**NIST traceable, ISO/IEC 17025 Accredited Report of Temperature Calibration in accordance to API Chapter 7 included Free of Charge!**

<u>Catalog No.</u>	<u>Tape Length</u>	<u>Description</u>
2401TC050FFM-STD	50'	Tri-mode-Closed/Gas Tight
2401TC15MFFM-STD	15 Meter	Tri-mode-Closed/Gas Tight
2401TC100FFM-STD	100'	Tri-mode-Closed/Gas Tight
2401TC30MFFM-STD	30 Meter	Tri-mode-Closed/Gas Tight

<u>Linearity Calibration</u>	<u>Description</u>
TAPE CAL-UTI	Calibration of UTI Tape per API Chapter 3 requirements for either English or Metric tape.

<u>Catalog No.</u>	<u>Description</u>
B2562-257	Replacement barrel – (MB, MMB type vapor valves)
A2562-309	Replacement barrel – (MMC "A" C50, F50 type vapor valves)
B2562-267	Replacement barrel – (Hermetic C2.SS vapor valves)
B2562-262	Replacement barrel – (Hermetic A2.SS vapor valves)