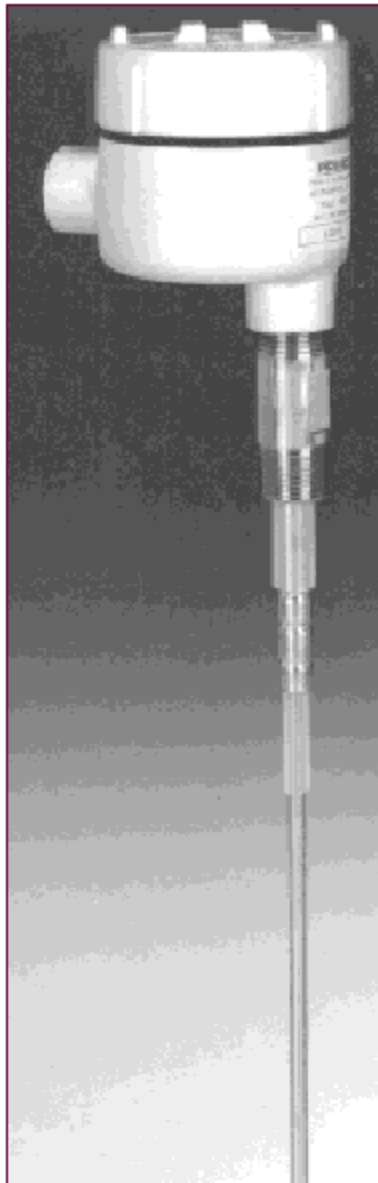


*Instrumentation designed  
with the user in mind.*



## Low-cost NULL-KOTE™ Point Level Controller

Economical, electronic, RF impedance sensing,  
with innovative NULL-KOTE™ circuitry, which  
ignores product build-up on the probe

### Features

- ❑ **Economical** – Low in cost, yet packed with all the features needed for accurate, dependable service.
- ❑ **NULL-KOTE™ Circuitry** – Makes the sensor immune to adverse effects from conductive coating build-up.
- ❑ **Ten-Year Warranty** – The only level instruments available with this unique assurance of quality.
- ❑ **Easy-On Probe Connection** – Automatically provides simple, fast installation and reliable operation without wires, connectors, or terminal strips. Simply screw probe into the housing.
- ❑ **Time-Delay Included** – 0-30 second delay at no extra charge.
- ❑ **Unique Status Indicator** – (two color) Shows presence or absence of material and also indicates power "on".
- ❑ **Heavy Duty Relay** – 10A 115 Vac (resistive) control contacts.
- ❑ **High or Low Fail-Safe** – Field selectable.
- ❑ **Explosion-Proof Housing Standard** – Class I groups C & D, Class II groups E, F, & G/NEMA 4.
- ❑ **Wide Temperature Range** – Standard process temperature range: -300 to 500°F (-184 to 260°C).
- ❑ **ROLLOCK™ PROBES** – No part of the probe can fall into the process or be blown from the mounting. No re-tightening of seals required.

### Description

PRINCO's Model L2000 radio frequency (RF) point level controller is truly an outstanding value. It combines rugged construction, quick, easy installation and all the features you need for years of effective, accurate performance.

Operating on the RF impedance sensing principle, the L2000 will detect the presence (high level) or absence (low level) of a wide variety of materials. It may be made fail-safe in either high or low mode. It will operate in conjunction with process materials which range from low dielectric (insulating) products, such as refined oils, to conductive slurries.

The L2000 incorporates PRINCO's user-oriented features ... reliability, true-coating cancellation capability, explosion-proof/weatherproof enclosures, RFI immunity, heavy duty relays, Easy-On Teflon/316SS probes and our unique 10-Year Warranty.

The L2000 has everything you need at a price no higher than the "also rans."

In millions of installations, spanning 85 years of experience, PRINCO process instruments have provided accurate, dependable, long lived service for all types of industries.

#### 10-YEAR WARRANTY

All PRINCO level control instruments are backed by a 10-year warranty. PRINCO will repair or replace, at our option, any instrument that fails under normal use for up to 10 years after purchase.

# L2000 Specifications

## Type

Point (on/off) level control, radio frequency (RF), impedance sensing, NULL-KOTE™ circuitry.

## Sensitivity

Senses process capacitance changes as low as 0.5 pF.

## Operating Temperature Range

-40 to 150°F (-40 to 66°C).

## Relay Contacts

DPDT contacts, rated at 10 amperes, 115 Vac or 26 Vdc, resistive load.

## Delay Time/Mode

0-30 second/delay on and off.

## Fail-Safe Mode

Fail-Safe low level or high level. Field changeable.

## Power Requirements

Standard Models:  
95/135 Vac, 50-60 Hz, 1.3 watts  
17/34 Vdc, <1 watt

Optional Model:  
230 Vac

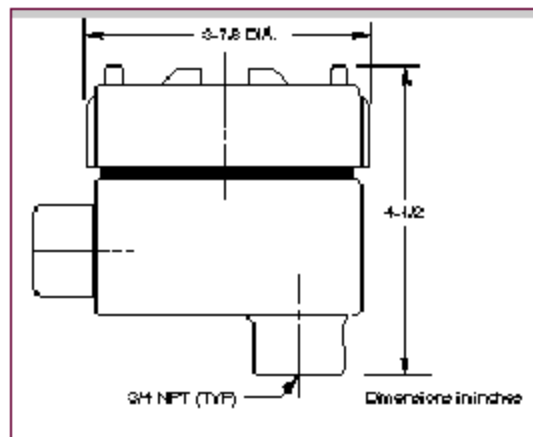
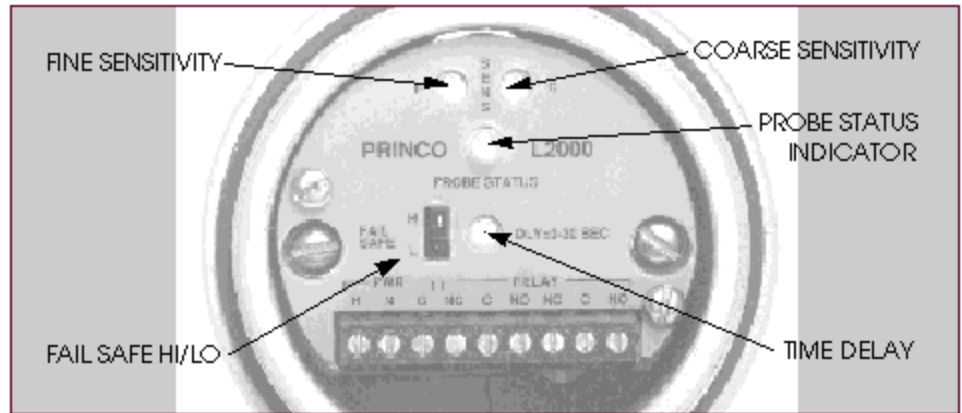
## Electronic Enclosure

Heavy duty cast aluminum housing. Explosion-proof Class I groups C & D, Class II groups E, F, & G/NEMA4.

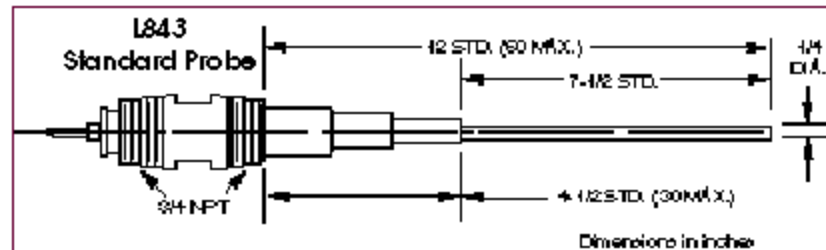
## L840 Series Probes

These NULL-KOTE™ point level probes are three element devices which employ a bare sensor rod, guard section, and NPT mounting hub. All wetted metal parts are type 316 stainless steel. The elements are insulated from one another by Teflon®.

The guard section, in conjunction with the NULL-KOTE™



**NOTE:**  
Explosion-proof cases must be installed to satisfy National Electrical Code, Section 501, and applicable local codes.



circuitry, provides immunity to coating build-up and assures accurate, repeatable operation.

These probes use PRINCO's pioneering ROLLOCK™ construction. Featuring rolled seals and welded assembly, the ingenious ROLLOCK™ design locks all elements of the probe in position and insures that no part of the

probe can fall into the process or be blown from the mounting.

**Operating Temperature**  
-300 to 500°F (-184 to 260°C).

All PRINCO level instruments are designed and manufactured in the UNITED STATES OF AMERICA.



# PRINCO

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