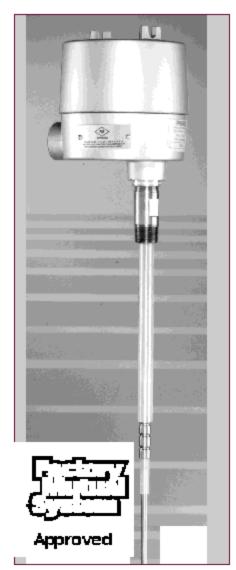


Instrumentation designed with the user in mind.



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.

NULL-KOTE™ RF Impedance, High-Perform-X™, Point Level Controllers

Excellent sensitivity and stability with innovative NULL-KOTE* circuitry, which ignores product build-up on the probe

Features

- Universal Wide Range of Point Level Applications - detects the level of powders, granules, conductive or non-conductive liquids ... even the sticky ones.
- NULL-KOTE™ Circuitry Makes the sensor immune to adverse effects from conductive coating build-up.
- High Sensitivity and Stability For critical low response applications.
- □ Designed to Survive RF immune, vibration-proof, all circuit boards are conformally coated (tropicalized) for extra protection - at no extra cost.
- 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.

- □ 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 *S*electable.
- □ Factory Mutual System Approval Class I, II, III, Div.1, Groups C, D, E, F, & G/NEMA 4.
- Wide Temperature Range Standard process temperature range: -300 to 500°F (-184 to 260°C).
- □ ROLOCK™ PROBES No part of the probe can fall into the process or be blown from the mounting. No re-tightening of seals required.
- □ Time-Delay Included 0-30 second delay at no extra charge.

Description

PRINCO's *High-Perform-X*^{**} L3520 Series level controllers give you the optimum combination of reliability, sensitivity, features, and cost.

Conformally coated electronics, NULL-KOTE™ dircuitry, explosion-proof/weatherproof enclosures, ROLLOCK™ probe construction and our unique 10 Year Warranty means the ultimate in reliability.

Excellent sensitivity, coupled with stability of 1 picofarad over the entire operating range, gives you a true set and forget installation.

With Factory Mutual Approval, 10 amp control relay contacts, 0-30 second time delay, coarse and fine sensitivity adjustments, field selectable hi-lo failsafe, and our exclusive probe status indicator, you get all the features you need at a price which makes the L3520 Series an outstanding value.

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

L3520 Series Specifications

Туре

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

Sensitivity

0.15pF to 1000 pF capacitance.

Operating Temperature -40 to 150°F (-40 to &6°C).

Temperature Stability Less than .1 pF/20 F.

Delay Time/Mode

0 to 30 second/delay on and off.

Fail-Safe Mode

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

Dead Band

10:1 adjustable range to 1000 pF maximum.

Power Requirements

Standard Models: 95/135 Vac, 50-60 Hz, 1.3 watts 12/34 Vdc, <1 watt

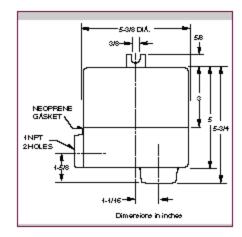
Optional Model: 230 Vac

Electronics Housing

Explosion-proof Class I, II, III, Div. 1, Groups C, D, E, F, & G/NEMA4.

Agency Approval

Factory Mutual Research
Corporation System Approved
when used with PRINCO probes
listed below.



NOTE:

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

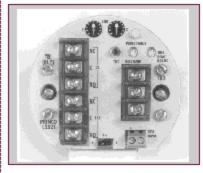
MODEL L3520

Test Function

Pushbutton tests control relay.

Relay Contacts

DPDT (2 form C) rated at 10A, 115 Vac or 26 Vac resistive.



MODEL 3521

Self-Check Function

Locally or remotely operated self-check.

Relay Contacts

Two sets provided: One data set SPDT (Form C) rated "dry" (0 mA) to 2A, and one power set SPDT (Form C) rated at 10A, 115 Vac or 26 Vdc resistive.

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

NULL-KOTE™ Point Level Probes

Model L853, L854, L855, L857, L861, L862, and L863 probes are Factory Mutual Approved Explosion-proof Class I, II, & III, Division 1, Groups A, B, C, D, E, F, & Gfor use with all L3500 series controllers.

These probes are three element devices, which employ a bare sensor rod, guard section, and NPT mounting hub. All wetted parts are type 316 stainless steel or Teflon®.

All PRINCO L800 Series point level 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).

See PRINCO's Point Level Probe Bulletin for complete information.

EBINGO

PRINCO INSTRUMENTS, INC. 1020 Industrial Highway Southampton, PA 18966-4095, U.S.A. **800-221-9237** (215) 355-1500 FAX (215) 355-7766 Bulletin L-98-1

NVLL-KOTE and ROLLOCK are trademarks of PRINCO. Other trademarks or registered trademarks in this text are the property of their respective holders.