

# LVDT Accessories and Spare Parts

---

## LVDT Core Connecting Rods



LVDT Core Connecting Rods are available for all LVDT series. These rods are a convenient way to connect the core to the object being measured. Made from non-magnetic 303 stainless steel, continuously threaded rod, they are available with #1-72, #4-40 and #6-40 threads and can be supplied in 1, 2, or 3 foot lengths. Order by thread type and desired length.

---

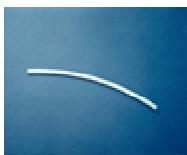
## LVDT Mounting Blocks



[LVDT mounting blocks](#) represent a method of mounting the LVDT without the necessity of machining such an item and provide a split block configuration which will not stress or distort the LVDT body. These blocks are made from linen based phenolic and are provided with LVDT mounting diameters suitable for most LVDTs. They feature pre-drilled and tapped holes to facilitate mounting to a base on either the bottom or side. They include the clamp screw for securing the LVDT.

---

## Teflon LVDT Bore Liners



Teflon bore liners are available for most free core LVDTs. These inexpensive bore liners are useful where the LVDT core cannot be supported concentrically with the inside diameter. Teflon bore liners prevent wear of the core and/or ID of the LVDT and provide a slippery, low friction surface for the core to ride on. Bore liners are installed at the factory prior to calibration. Specify model number with Teflon Bore Liner.

---

## Spare LVDT Cores



Spare LVDT cores are available for Macro Sensors LVDTs as well as for LVDTs from other manufacturers. These spare cores are available in three different diameters, multiple lengths and with English or metric female threads. Diameters available include 0.110", 0.188" and

0.250". To order spare cores, refer to the original core or the manufacturers specifications to obtain the diameter, length and thread type. All spare cores are manufactured from high permeability magnetic alloy and are hydrogen annealed to optimize their magnetic properties. Most spare cores are available from stock.

---

### Contact Tips For Spring Loaded LVDTs and Precision Gage Probes

Standard and special form contact tips are available for all Macro Sensors spring loaded LVDTs and precision gage probes. These contact tips permit the fixturing and measurement of parts ranging from straight forward to special situations. All of the tips are threaded with a AGD standard #4-48 male thread and are adaptable to units utilizing this thread. These contact tips are made from hardened tool steel and are chrome plated for corrosion resistance. Please contact the factory for ordering information.

---

### Special Contact Tips



Special form tungsten carbide, ruby and other special contact tips for spring loaded LVDTs and precision gage probes are available from Carbide Probes, Inc. Carbide Probes, Inc. can supply a wide variety of ultra-high precision contact tips and can even design tips to the users specific requirements. For information and pricing, please contact [Carbide Probes, Inc.](#) directly.

---

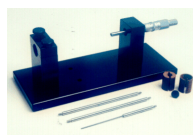
### Mating Connectors



[Spare mating connectors](#) are available for all Macro Sensors LVDTs, spring loaded LVDTs and LVDT signal conditioners. In addition, many of these connectors are compatible with LVDTs, signal conditioners and systems from other manufacturers. Most of the connectors are maintained in stock and can be shipped immediately. Please specify model number and type and manufacturer of unit for intended use.

---

### LVDT Calibrator



The [L-Cal 2.0](#) is a precision device capable of calibrating LVDTs up to 2.000" range. Utilizing a precision non-rotating spindle micrometer

head, the L-CAL 2.0 is useful for calibrating both free core as well as spring loaded LVDTs. This calibrator comes complete with adaptors and core extension rods, permitting the calibration of a wide variety of LVDTs having different diameters and core threads. This unit is also available with a micrometer head having metric graduations. The metric unit has a range of 50 mm and is designated as the L-Cal 50. The L-Cal calibrators are a necessity to satisfy most quality systems for instrumentation calibration requirements.

---

### **DIN Rail**

DIN rail is available for mounting the model LPC-2100 and model LVC-2401 line powered LVDT signal conditioners and other DIN rail mounted devices. Supplied in 1 meter lengths, the rail is supplied in the slotted, DIN 3 (35mm) configuration. Fabricated from steel and then painted for corrosion resistance, this rail can be easily cut into sections of appropriate length for the requirement. Please order DIN 3 rail.

---

### **±15 VDC LVDT Power Supplies by Acopian**



These power supplies provide highly regulated  $\pm 15\text{V}$  DC power to operate all standard DC LVDTs or can be used to power the DCM-1000 signal conditioner. They provide 100mA which gives the capability of operating up to two units from each supply. Each unit is provided with four (4) #4-40 tapped holes in the base to facilitate mounting and are terminated with a convenient barrier type terminal strip. The DCS power supplies are available in either 115V AC, 50-400Hz or 220V AC, 50-400Hz inputs. Both units are short circuit protected. For information and pricing, please contact [Acopian Technical Company](#) directly.

---