

## LP-0930P-3X 3-Axis Passive Loop Antenna

### Product Overview

The TDK LP-0930P-3X is a 3-axis electrostatically shielded passive loop antenna used to measure magnetic fields over the frequency range of 9 kHz to 30 MHz.

The LP-0930P-3X's design takes into consideration the CISPR 16-1-4 loop antenna requirements, making it a great choice for magnetic field testing for SAE J551-5, CISPR 11, and CISPR 22. Additionally, the LP-0930P can be used for magnetic testing such as MIL-STD-461 tests.

The LP-0930P-3X's unique 3-axis design, combined with a switching network, allows for measurement of all 3 axes without having to adjust its position during testing. This results in faster and more efficient testing.

**Unique Design** The LP-0930P-3X's unique balun and feed design enhances electric field rejection compared to conventional 60cm loops on the market.

**High Performance** The LP-0930P-3X obtains more accurate magnetic field readings than conventional 60cm loops.

### Features

- Operating frequency of 9 kHz to 30 MHz
- 3 identical 60cm loops
- CISPR 16-1-4 construction
- Enhanced electric field rejection
- Accurate magnetic emission readings
- Robust mechanical design



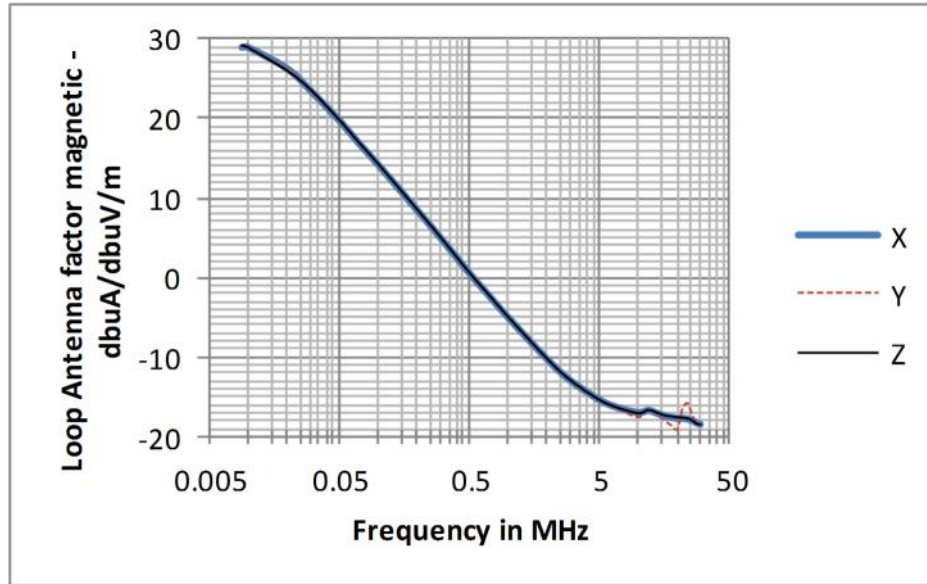
### Options

- Fiber optic controlled, 3 channel coaxial switching unit
- ISO 17025 calibration
- **Antenna Tripod TRI-150R:** The TDK TRI-150R antenna tripod is a manually adjusted tripod (100 cm to 150 cm) designed for quick and easy mounting in EMC test environments.
- **PA-01-0930:** Preamplifier specifically designed for operation loop antennas.
- **AM-2CA-LP:** Antenna mast/tripod adapter.

### Applications

- SAE J551-5
- CISPR 11,
- MIL STD 461

# LP-0930P-3X 3-Axis Passive Loop Antenna



## Mechanical Specifications

Loop Diameter:	60 cm (23.625 in)
Overall dimension:	67 cm (26.375 in)
	CUBE
Weight:	0.68 kg (4.8bs)
Construction:	Aluminum with gold chromate finish for the balun
	Fiber glass for the loop
RF Connector:	Type SMA female (3)

## Electrical Characteristics

Frequency Range:	9 kHz to 30 MHz
VSWR:	<1.5:1 average
Polarization:	Linear
Impedance:	50 ohms (nominal)

## Ordering Information

Product	3-Axis Passive Loop Antenna
Model Number	LP-0930P-3X
Warranty	1 year limited

**To place an order or to learn more about the TDK products that best meet your needs, contact your TDK sales representative:**

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