

OPERATING AND MAINTENANCE MANUAL
LIF SERIES
INTERFEROMETER ANTENNA ACCESSORY
FOR LH SERIES LITTLE L-PER DIRECTION FINDERS

Copyrighted 1983 by L-Tronics. All rights reserved. For permission to reprint portions or all of this document; or for extra copies, write L-Tronics, 5546 Cathedral Oaks Road, Santa Barbara, California 93111.

TABLE OF CONTENTS

Introduction	1
Equipment Supplied	1
Equipment Required but not Supplied	1
Operational Procedures	1
Instructions Summary	1
Explanations	1
Operation with Horizontal Polarization.	6
Operation at Other Frequencies	6
Theory of Operation	7
Equipment Maintenance	10

LIST OF FIGURES

Figure 1. Antenna Attachment to Change Polarization.	2
Figure 2. Interferometer Connections.	3
Figure 3. Initial Null Location, Vertical Polarization.	4
Figure 4. Initial Null Location, Horizontal Polarization.	6
Figure 5. DF Correction at Adjacent Operating Frequencies.	7
Figure 6. Phase Relations.	7
Figure 7. Corrugated Phase Front, Narrow DF.	8
Figure 8. Corrugated Phase Front with Interferometer.	9

