

GENERAL DESCRIPTION

The **Transponder** is a receiver/transmitter assembly for radar signals and features both Receiver and Repeater channels. The unit is specially designed for field conditions and is used at predisposed field sites.



INTERFACE FEATURES

- 100 Base T LAN to Portable PC
- IF output (L – band) to sampling equipment
- Download of 16 seconds of detected data at 1 Msamples/second
- User Interface – GUI implemented on PC

GENERAL SPECIFICATIONS

Frequency Range	X Band
VSWR	1.5 1 max
Modes of operation	Receiver, Repeater, Both
Battery Type	NIMH
Battery Operation Time	>2 hours
AC/DC Operation	
Insertion Loss	0.6 dB type
Isolation	28 dB type
Operating Power	3 W max average power, 35 W max peak power
Switching Time	150 nSec max

GENERAL SPECIFICATIONS

Power Requirements	+5 VDC/150 mA max, -15
Operating Temperature	-54° C to 85° C
Weight	260 g max
Dimensions	90 X 65.5 X 34 (mm)

Note: Specifications are subject to change without notice.