

# Telex Technical Data

## MODELS 4331, 4332, and 4334 VHF Vehicular Antennas

### TELEX-THE WORLD LEADER IN MILITARY VEHICULAR ANTENNAS



The Telex 4331 and 4332 (AS-3885) are broad-band VHF vehicular antennas covering the 30-88 MHz tactical FM frequency band. The model 4334 covers the extended frequency range of 30-108 MHz. The center fed design minimizes variations in gain and radiation characteristics when isolated from a ground plane. The mounting configuration of these antennas is identical to those of other vehicular antennas such as the AS-1729 and AS-3900.

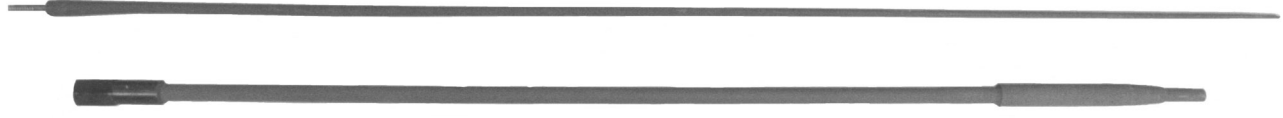
These high performance VHF antennas maintain low VSWR across the entire frequency spectrum without need for a tuner or bandswitching. The 4331 and 4334 maintains a VSWR of less than 3.5:1. The VSWR of the 4332 (AS-3885) remains below 2.5:1 making this unit ideal for use with voltage sensitive radio transmitters.

All three antennas are designed to provide broad-band VHF communications on jeeps, trucks, armored vehicles, shelters and free standing installations. The antennas consist of two whip sections, a base section, and mounting hardware.

Various options are available to enhance the operation of these antennas. Electromagnetic Pulse Protection. An optional top whip is available for High Voltage Protection up to 20,000 volts AC, RMS. The standard finish includes CARC paint but numerous other finishes are available as options. Please refer to the "Option Information" chart to select the product which meets your actual requirements.

### General Information

Reliable communications is necessary if success is to be achieved in battlefield situations. Telex Communications has been designing and manufacturing military vehicular antennas for over 20 years. These antennas have played an integral part in the Army's ability to maintain good mobile communications. Telex is the only manufacturer that has produced all three VHF vehicular antennas; the AS-3900 SINGARS antenna, the AS-3885 MSE antenna and the AS-1729 antenna. The AS-3885 MSE antenna was independently designed by Telex Communications and was subsequently selected as the Army's choice for MSE, Other independently designed antennas include 30 to 108 MHz broadband antennas. Our production and engineering capabilities allows us to quickly adapt any of these antennas to meet unique customer requirements.



## Option Information

ORDER NO.	DESCRIPTION
4331AA	Standard 4331
4331AH	4331 with 20,000 VAC RMS high voltage protection
4331AE	4331 with EMP protection
4331AHE	4331 with 20,000 VAC RMS high voltage protection and EMP protection
4332AB	Standard 4332 AS-3885
4332AH	4332 with 20,000 VAC RMS high voltage protection
4332AE	4332 with EMP protection
4332AHE	4332 with 20,000 VAC RMS high voltage protection and EMP protection
4334AA	Standard 4334
4334AH	4334 with 20,000 VAC RMS high voltage protection
4334AHE	4334 with 20,000 VAC RMS high voltage protection and EMP Protection



## Specifications

Telex Model No.	4331	4332	4334
Military Nomenclature		AS-3885/TRC 191	
NATO Stock No.		5985-01-253-6137	
VSWR	3.5:1	2.5:1	3.5:1
Frequency	30-88 MHz	30-88 MHz	30-108 MHz
Power Handling	75 Watts	75 Watts	50 Watts
Gain	-5 To 0 dB*	-6 To -1 dB*	-6 to -1 dB*
Polarization	Vertical	Vertical	Vertical
Impedance	50 Ohms	50 Ohms	50 Ohms
Radiation	Omnidirectional	Omnidirectional	Omnidirectional
Rf Connector	BNC Female	BNC Female	BNC Female
Weight	11 lbs (4.95 K)	11 lbs (4.95 K)	11 lbs (4.95 K)
Length	10.5 ft. (3.2 m)	10.5 ft. (3.2 m)	10.5 ft. (3.2 m)
Environmental and Mechanical	Designed to meet the rigorous, environmental, and mechanical conditions expected in a combat environment.		

\*referenced to quarter-wave resonant monopole on 10 x 10 ft. ground plane

# TELEX®