

# SA918 Antenna System



## FEATURES

- Provides directional detection for GSM196 & GSM196A units
- Operates over all GSM and UMTS bands
- 9dBi forward gain enhances performance / range
- Can be used inverted on extension poles to reach difficult-to-access areas
- Handle accommodates a full range of DIY poles – some extension rods come complete with a tapered adapter which neatly fits into the handle
- Lightweight design for prolonged use
- Beam width from the antenna is +/- 30 degrees
- Can be mounted on the operator's forearm
- Triple the effective radiated power (ERP) by a factor of 3

## APPLICATIONS

- Designed to enhance the detection capabilities of the GSM196 & GSM196A
- For use by security personnel in Government & Military establishments
- For use by officers & wardens in prisons and detention centers
- For security companies who need to sweep premises for concealed surveillance devices
- De-bugging, TSCM (Technical Surveillance Counter Measures)
- Nuclear sites
- Petrochemical facilities

The SA918 antenna system is designed to enhance the detection capabilities of the GSM196 & GSM196A mobile phone detector. The lightweight assembly (approx 600grams) allows operators to more accurately pin point the location of an operational phone.

The detection characteristics also allow the unit to reject unwanted signal reflections from other sources. The antenna effectively amplifies the signals being supplied to the GSM196 or GSM196A thereby increasing the range of the unit by as much as 50%.

The assembly can be used, either with the handle or mounted on the operator's forearm. When used on the forearm, a Velcro strap is provided to ensure the safety of the assembly. For external searching the unit can be inverted and elevated by means of a variety of standard extension poles which can be fitted into the hollow handle. The assembly also incorporates a standard camera fixing so that it can be attached to a normal photographic tripod.

The SA918 was designed specifically for use in prisons and can greatly increase the detection capability. In situations where multiple mobile phones are in operation on a wing at the same time, it can be difficult to identify the cell containing an active phone simply by using signal strength alone.

The SA918 assembly greatly improves the detection and location capabilities of the GSM196 by reporting direction as well as signal strength to search teams. ■

## TECHNICAL SPECIFICATIONS

### Frequency bands (handset frequencies)

GSM850 (824-849MHz)

(E)GSM900 (880-915MHz)

GSM1800 (1710-1785MHz)

GSM1900 (1850-1910MHz)

WCDMA2100 (1920-1980MHz)

### Weight

SA918 antenna 298 grams

SA918 assembly handle 268 grams

GSM196 (inc. batteries) 88 grams

Total weight of assembly 654 grams

## PRODUCT CODES

### SA918 Directional Antenna - Full Systems

**3-299-996** GSM196 SA918 Directional Antenna with handle and holder Quad-band



The GSM196 when used with the SA918 allows the officer to scan a specific direction with rejection of signals in all but the direction the antenna is pointing.

### For further information contact

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