

# SA918

## Directional Antenna System



### Features

- Provides active direction finding when used with the GSM196 & GSM196A
- 9dBi forward gain enhances range, triple the effective radiated power (ERP)
- Operates on all GSM & UMTS bands
- Supplied with handle and holder for GSM196
- Can be used inverted on extension poles
- Lightweight design for prolonged use
- Rejects unwanted signal reflections
- Greatly enhances the detection capabilities of the GSM196
- Beam width from the antenna is  $\pm 30^\circ$

### Applications

- Detection of mobile phones in prisons and detention centres
- For use by security personnel in government and military establishments
- TSCM (detection of surveillance devices using GSM based technology)
- Defensive building search (where mobile phones are prohibited)
- Security companies who need to sweep boardrooms for GSM devices
- Nuclear sites & petrochemical facilities
- Enhance the detection of unauthorised mobile phones

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

**Beam width** ± 30°

### Weight

SA918 antenna	298 grams
SA918 assembly handle	268 grams
GSM196 (inc. batteries)	88 grams
<b>Total weight of assembly</b>	<b>654 grams</b>

## Product Codes

### SA918 Directional Antenna - Full System

**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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