VHF AND UHF TRANSCEIVERS

ATEX Intrinsically Safe Radio for Hazardous Locations

IC-F51

COTEL UK

LCIE 04 ATEX 6184X

P0 P1 P2 P3

COTEL

SPEAKER-MICROPHONE

Ex

Photo includes optional speaker-microphone

Superior Waterproof Protection Supports Demanding Communication

Firefighters, Police, Security and Public utilities. Each profession has its own unique challenges, but all have one thing in common: the need for reliable communications. ATEX SiteMaster offers a co mpact waterproof, MIL STD package, that's easy to use. Rain or shine, this radio keeps you in contact in nearly any environment.

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Dust and Waterproof Protection Equivalent to IP67

The gasket sealed waterproof housing provides superior dust and waterproof* protection, equivalent to IP67.
Reliable and dependable use in harsh conditions under water or dust, make the ATEX SiteMaster the radio for all situations.
* 1 m depth of water for 30 minutes.

Built-in Tone Signaling

Use the built-in CTCSS, DTCS, 2-Tone and 5-Tone capability to set up your own talk groups and quiet stand-by when other groups are talking. You can also set up selective calls to individuals or control a repeater.

Multiple 5-Tone

Up to 8 5-Tone codes can be decoded on a single memory channel. This is perfect for professionals who require multiple district paging on one channel. When a matched tone is received, the following items are programmable for each code.
• Bell icon   • Answer back   • Stun
• Beep sound   • Auto transmit   • Scan
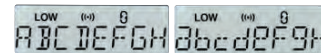• ID decode   • Emergency cancel

Up to 7 Programmable Buttons

The [P0]–[P3], [Red] and [Up], [Down] buttons are programmable to meet specific needs. The [Red] button on the top panel can be assigned as an emergency trigger.

Alphanumeric Display

The 8-character alphanumeric display shows channel, bank, tone code and scanning channel names on the display. 7 operational icons on the sub-line show various status at a glance.

LOW ((•)) 8   LOW ((•)) 8
ABCDEFGH   abcdEF9h

Upper and lower case characters available.

Built-in Voice Scrambler

The SiteMaster has a built-in rolling type voice scrambler equivalent to the UT-110.

Wide Range Coverage and Large Channel Capacity

The VHF covers 136–174 MHz and the UHF covers 400–470 MHz in one version. The 128 memory channels with 8 memory banks allows you to divide and store a variety of channels from local to wide area network channels. Wide, middle and narrow* channel bandwidth is programmable to each channel.
(* Programmable 25/12.5 kHz or 20/12.5 kHz Ch.)

Li-ion Battery Pack

The large capacity 1950 mAh (typ.) rechargeable Lithium-ion (Li-ion) battery pack provides a reliable and practical 10 hours* of operating time. Li-ion batteries allow flexible charging and have almost no memory effect.
* Typical operation Tx:Rx:Stand-by=5:5:90

Compact Body

56 (W) × 97 (H) × 36.4 (D) mm compact body with durable, dependable construction, has been tested to MIL standard specifications. The compact design fits comfortably in your palm, and is easy to carry around.

BIIS 1200 Compatible

The following selective calling and data features are available with the BIIS system.
• 32 abbreviated call memories
• 7 group IDs   • 24-status Messages
• 8-character SDM (Short Data Message)

Other Features

• Built-in audio compander • 8 DTMF autodial memories • Normal and priority scans • 2 step power saver • Busy, repeater lockout functions • Power ON password, and more...

ATEX Intrinsically Safe

The ATEX SiteMaster and designated options are certified to the ATEX Protection Class II 2G Ex ib IIA T3 Gb (Tamb= −20˚C to +55˚C) as interpreted in the following table. It is suitable for use in hazardous areas where flammable gasses or liquids are used.

ATEX Gas Protection

II	2	G	Ex	ib	IIA	T3	Gb	Gb = GAS equipment protection level: High protection
								T3 = Device surface temperature will not exceed 200°C
								IIA = Protection in GAS group
								ib = Intrinsically safety according to EN60079-0 and EN60079-11
								Ex = Explosion proof equipment
								G = Gas, vapour and mist
								2 = High level protection for use in zone 1 (gas)
								II = Group II, other (non-mining) environments

* Please ensure the ATEX rating is acceptable for the intended place of use.

ATEX Gas Group Classification

		T1: 450°C	T2: 300°C	T3: 200°C
I	Methane			
	Acetone	Ethyl alcohol	Benzine
IIA	Ethane	I-amyl acetate	Diesel fuel
	Ethyl acetate	n-butane	Aircraft fuel
	Ammonia	n-butyl alcohol	Heating oil
	Benzene (pure)		n-hexane
	Acetic acid		
	Carbon Monoxide		
	Methanol		
	Propane		
	Toluene		