



# TAIT ORCA 5015

CONVENTIONAL

This rugged and stylish **Tait Orca 5015** has the performance features to meet your portable communications needs. The **Orca 5015** has the strength and reliability that any user may want.





# TAIT

## Radio Communications

### TAIT ORCA 5015

ORCA 5015 FEATURES	GENERAL	66-88MHz	VHF (136-174MHz)	UHF (400-470, 450-530MHz)
> 100 Channels	Channel Spacing	12.5/20/25	12.5/20/25	12.5/20/25
> 2 Programmable Function Buttons	Operating Temperature	-20°C to +60°C	-30°C to +60°C	-30°C to +60°C
> Handset Operation	Transmit Power	1, 2.5, 5 W	1, 2.5, 5 W	1, 2.5, 4 W
> Keypad Lock	Power Supply	7.5 Volts	7.5 Volts	7.5 Volts
> One Touch Call	Frequency Increments	5 or 6.25kHz	5 or 6.25kHz	5 or 6.25kHz
> Battery Charge Indicator	Frequency Stability	+/- 10ppm (-10°C to +60°C) +/- 15ppm (-10°C to -20°C)	+/- 2.5ppm (-30°C to +60°C)	+/- 2.5ppm (-30°C to +60°C)
> Monitor Function	<b>TRANSMITTER</b>			
> Selective Calling	<b>Specification</b>	<b>66-88MHz</b>	<b>VHF (136-174MHz)</b>	<b>UHF (400-470, 450-530MHz)</b>
> Scanning & Voting	Measurements as per:	ETS 300-086	ETS 300-086	ETS 300-086
> Repeater Talkaround	Power Output (Low/Mid/High)	1 / 2.5 / 5W	1 / 2.5 / 5W	1 / 2.5 / 4W
> Emergency Mode & SOS	Spurious Emissions	< -36dBm (0-1GHz), (Conducted and Radiated)	< -36dBm (0-1GHz), < -30dBm (1-4GHz)	< -36dBm (0-1GHz), < -30dBm (1-4GHz)
> Power Saving Modes	Hum and Noise (EIA)	38dB (NB), 43dB (WB)	36dB (NB), 42dB (WB)	35dB (NB), 41dB (WB)
> Remote Stun & Revive	Modulation Type	Direct FM	Direct FM	Direct FM
> Receive and Display Short Data Messages	Deviation Limiting	Adjustable up to +/- 5kHz	Adjustable up to +/- 5kHz	Adjustable up to +/- 5kHz
> Audio Noise Reduction	Audio Response	Within +1/-3dB of 6dB / (300Hz - 2.55kHz)	Within +1/-3dB of 6dB / Octave Pre-emphasis	Within +1/-3dB of 6dB / Octave Pre-emphasis
> Channel Knob Disable	Distortion (EIA)	<5% @ 1kHz, 60% Deviation	<5% @ 1kHz, 60% Deviation	<5% @ 1kHz, 60% Deviation
> Lone Worker	<b>RECEIVER</b>			
	<b>Specification</b>	<b>66-88MHz</b>	<b>VHF (136-174MHz)</b>	<b>UHF (400-470, 450-530MHz)</b>
	Measurements as per:	ETS 300-086	ETS 300-086	ETS 300-086
	Intermediate Frequencies	21.4MHz and 455kHz	21.4MHz and 455kHz	45.1MHz and 455MHz
	Sensitivity 12dB SINAD	< -119dBm	< -119dBm	< -119dBm
	Sensitivity 20dB SINAD	< -114dBm	< -114dBm	< -114dBm
	Fixed Squelch Sensitivity	12dB SINAD or 16dB SINAD Nominal	12dB SINAD or 16dB SINAD Nominal	12dB SINAD or 16dB SINAD Nominal
	Selectivity	70dB (NB), 75dB (WB)	70dB (NB), 75dB (WB)	66dB (NB), 72dB (WB)
	Spurious Response	70dB	70dB	70dB
	Intermodulation	65dB	65dB	65dB
	Blocking	94dB	94dB	94dB
	Ultimate Signal to Noise Ratio (EIA)	39dB (NB), 44dB (WB)	37dB (NB), 42dB (WB)	34dB (NB), 40dB (WB)
	Audio Response	Within +1/-3dB of 6dB / (300Hz - 2.55kHz)	Within +1/-3dB of 6dB / Octave De-emphasis	Within +1/-3dB of 6dB / Octave De-emphasis
	Distortion (EIA)	<5% @ 1kHz, 60% Deviation	<5% @ 1kHz, 60% Deviation	<5% @ 1kHz, 60% Deviation
	Rated Audio Output	>500mW	>500mW	>500mW
	<b>OPTIONS</b>			
> Intrinsically Safe				
> Encryption				
	<b>ACCESSORIES</b>			
> D-clip and Belt Loop				
> Belt Clips				
> Lapel Speaker Microphones				
> Desktop Charger				
> 6-Way Multi-charger				
> Carry Cases				
> Universal Accessory Interface				
> Full Car Kit				
	<b>BATTERY OPTIONS</b>			
> 1500mAh NiCd				
> 2000mAh NiMH				





Professional Radio & Paging Communication Specialists

TAIT AUTHORISED DEALER

Specifications are subject to change without notice and shall not form part of any contract. They are issued for guidance purpose only. For further information please check with your nearest Tait office or authorised dealer. The radio meets applicable regulatory requirements.

