

Rugged • Flexible • Dependable

Tait Orca 5000 intrinsically safe

The Tait Orca 5000 Intrinsically Safe (IS) portable radios are essential for organisations serious about mobile communications in hazardous environments.

Manufactured to comply with Factory Mutual (FM)* United States Approvals, the Tait Orca 5000 is rated Intrinsically Safe* and Non-Incendive (NI).

These approvals allow the Tait Orca 5000 to be operated around flammable gases and vapours, such as those found in petrochemical environments.



FM Approved Tait Orca 5000 specifications

IS, Class I, Division 1, Groups C, D, T3C

IS	Intrinsically Safe
Class 1	Gas/petroleum environments
Division 1	Flammable material present continuously
Groups C, D	Gas vapours of ethylene and propane
T3C	Temperature rating of 160°C (320°F)

NI, Class I, Division 2, Groups A, B, C, D, T3C

IS	Non-Incendive
Class 1	Gas/petroleum environments
Division 1	Flammable material present continuously
Groups C, D	Gas vapours of acetylene, hydrogen, ethylene and propane
T3C	Temperature rating of 160°C (320°F)

* Factory Mutual Approval means these radios are certified for use in hazardous environments in the United States. In other countries, ensure your use of the Tait IS portable in your work environment does not breach your local regulations.



Over-the-head Headset
TOPA-AA-012



Behind-the-head Headset
TOPA-AA-013



IS Speaker Mic RF
TOPA-AA-104G



IS Speaker Mic
TOPA-AA-103G



IS Earhanger Ear Phone (2.5mm)
T952-055



IS 2000mAh NiMH Battery
TOPB500-1F

Models	Orca 5010, 5011, 5018, 5020, 5021, 5030, 5035, 5040
Frequency ranges	66–88MHz 136–174MHz 174–225MHz 336–400MHz 400–470MHz 450–530MHz 806–870MHz Tx 851–870MHz Rx 841–870MHz Tx 935–941MHz Rx
Channel Spacing	12.5kHz, 20kHz, 25kHz
Transmitter Power	VHF 1W, 2.5W, 5W, VHF UHF 1W, 2.5W, 4W UHF 1W, 2W, 3W 800/900MHz
Operating Temperature	-30°C to +60°C (-22°F to +140°F) @ 100% duty cycle
FM Approved Accessories	A full range of FM accessories are available, including speaker microphones and headsets. Contact your nearest dealer for further details or refer to brochure BOP-403-03.
Environmental	MIL-STD-810 C, D, E & F. High/Low Temperature, Humidity, Blowing/Dripping Rain, Blowing Dust, Vibration Shock, Salt Fog, Transit Drop. Protection to IP54 (AS1939-1990).
Battery Options[†]	TOPB200-IF 1500mAh NiCd, belt clip compatible IS TOPB500-IF 2000mAh NiMH IS, belt clip compatible IS
Servicing	These radios can be serviced only at FM approved service centres. Contact your local dealer for details.

[†]Typical battery shift life may be reduced by up to 10% compared to operation with a standard NiCd battery.

Authorised Dealer



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Tait is your complete supplier of radio communications equipment, with mobile, portable and infrastructure solutions. Tait is renowned for its flexibility, responsiveness and commitment to producing innovative world-class mobile radio communications products.

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

Tait Electronics Ltd is an ISO9001: 2000 and ISO 14001: 1996 certified supplier.