

TP8100 Intrinsically Safe

SPECIFICATIONS

tait
communications

Tough, reliable and waterproof.

Tait TP8100 Intrinsically Safe (IS) portable radios are essential for organizations serious about mobile communications in hazardous environments.



KEY FEATURES

- ▶ Clearly identifiable with an IS logo marked on the radio front panel and battery.
- ▶ Front panels are available in yellow, orange and red, in addition to the standard black.
- ▶ Tough enough to withstand the harshest environments; engineered to exceed IP67 sealing: zero dust ingress and immersible in one meter of water for 30 minutes.
- ▶ Swipe contacts, battery-only or battery-on radio charging, desktop fast chargers provide efficient battery management.
- ▶ All Tait TP8100 IS portables are comprehensively approved by Factory Mutual in the categories outlined on the next page.

All standard TP8100 specifications apply to the IS radios. Please see the full TP8100 specifications for the details.

FM APPROVED*

IS, Class I, II, III, Division 1, Groups C, D, E, F, G, T4

IS	Intrinsically Safe
Class I	Gas/Petroleum, flammable gases or vapors present (Group C, D)
Class II	Combustible or conductive dusts are present (Group E, F, G)
Class III	Ignitable fibres or flyings are present (no group classifications)
Division 1	The substance referred to by Class is present
Group C	Ethyl and Ethylene or gases of equivalent hazard
Group D	Gasoline, acetone, ammonia, methanol, natural gas, propane or gases of equivalent hazard
Group E	Combustible metal dusts, aluminium, magnesium and their commercial alloys or other combustible dusts that present similar hazards in connection with electrical equipment.
Group F	Combustible carbonaceous dusts, carbon black, charcoal, coke or coal dusts
Group G	Flour dust, grain, wood, plastic and chemicals
T4	Maximum service temperature 135°C

NI, Class I, Division 2, Groups A, B, C, D, T4

NI	Non-Incendive
Class I	Gas/Petroleum, flammable gases or vapors present (Group A, B, C, D)
Division 2	The substance referred to by class is present only in abnormal conditions, such as a container failure or system breakdown.
Group A	Acetylene
Group B	Hydrogen, fuel and combustible process gases containing > 30% hydrogen by volume
Group C	Ethyl and Ethylene or gases of equivalent hazard
Group D	Gasoline, acetone, ammonia, methanol, natural gas, propane or gases of equivalent hazard.
T4	Maximum service temperature 135°C

S, Class II, III, Division 2, Group E, F, G

S	Special Protection
Class II	Combustible or conductive dusts are present (Group E, F, G)
Class III	Ignitable fibres or flyings are present (no group classifications)
Division 2	The substance referred to by class is present only in abnormal conditions, such as a container failure or system breakdown.
Group E	Combustible metal dusts, aluminium, magnesium and their commercial alloys or other combustible dusts that present similar hazards in connection with electrical equipment.
Group F	Combustible carbonaceous dusts, carbon black, charcoal, coke or coal dusts
Group G	Flour dust, grain, wood, plastic and chemicals

* 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 you work environment does not breach your local restrictions.

Authorized Partners

Tait is your complete supplier of radio communications equipment offering 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.

+Please note that not all frequency bands and power outputs are available in all markets. For further information please check with your nearest Tait office or authorized dealer.

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