

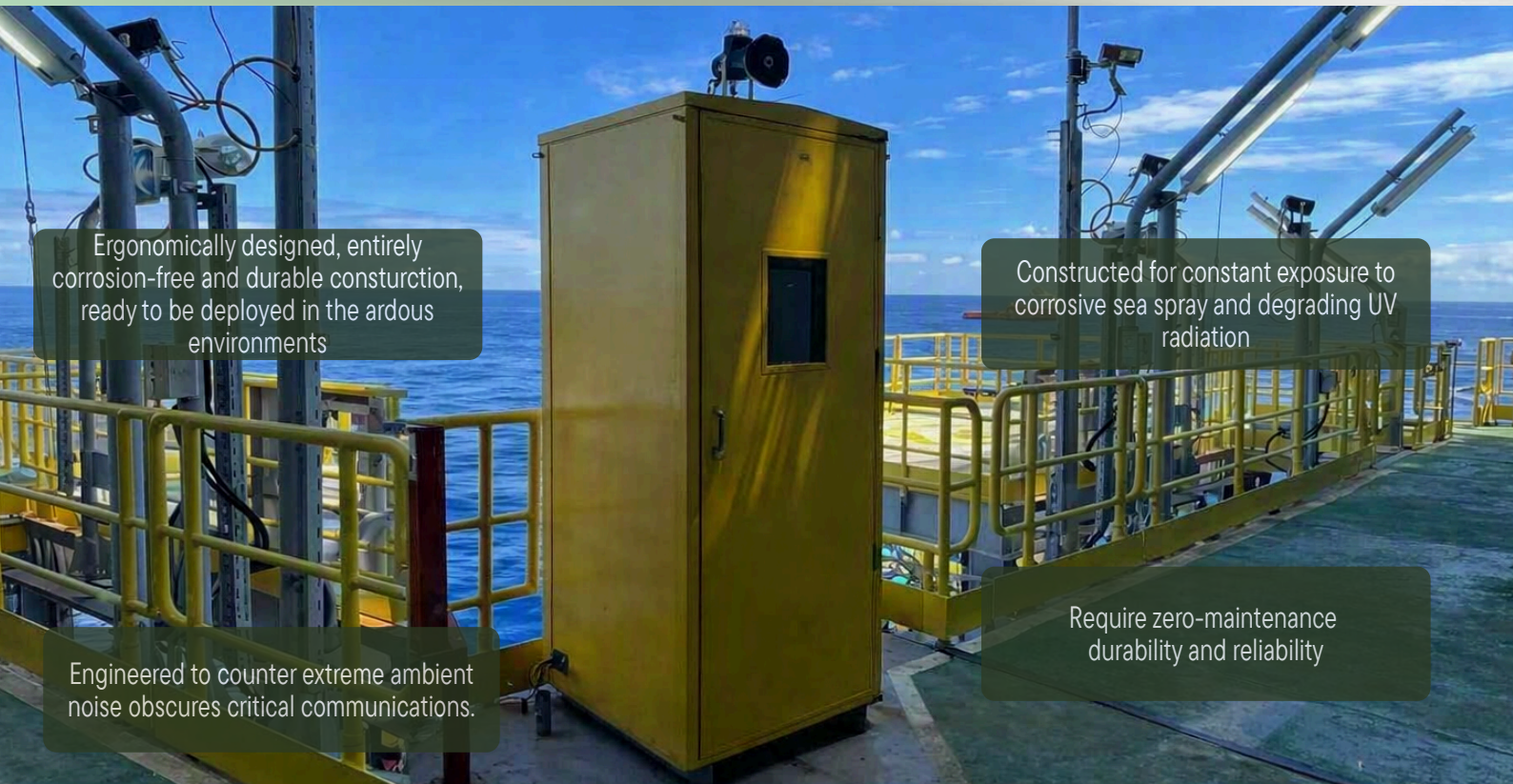
ALPHINO TF ACOUSTIC BOOTH

HIGH PERFORMANCE NOISE INSULATION ACOUSTIC BOOTH



alphino

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Ergonomically designed, entirely corrosion-free and durable construction, ready to be deployed in the arduous environments

Constructed for constant exposure to corrosive sea spray and degrading UV radiation

Engineered to counter extreme ambient noise obscures critical communications.

Require zero-maintenance durability and reliability

FEATURES

- High performance 35dB noise attenuation for extreme ambient noise environment
- UV stable, chemical resistance Glass Reinforced Polyester (GRP) Body
- Chemical resistant, non-hygroscopic GRP sandwich panel best suitable for marine, offshore, chemical plants and harsh environment
- Corrosion-free, maintenance free construction
- Double-layered safety glass panel window
- Ready supplied equipment mount plate for telecommunication equipments weight up to 30Kg
- Fire retardant, GRP Class 1 to BS476 Pt 7
- 50 x 100 mm cable entry hole from bottom panel as standard

OPTIONAL ADD-ON ACCESSORIES

- Available to order with ready-assembled internal lights and switches in safe-zone use configuration or zone1/2 use configuration
- Available to order with ready-assembled beacon and sounder units suitable either for safe-zone (weatherproof) configurations or for Zone1/2 certified devices.
- External device mount brackets are designed to fit as per user-selected beacon and sounder configuration and available to order as bracket only (or) fully assembled configuration.
- Provisional cable entries points with MCT seals, available to configure as per user's requirement on cable size and numbers of cables. MCT brackets are supplied with earth terminal for safe grounding connection.



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Internal Light and Switch

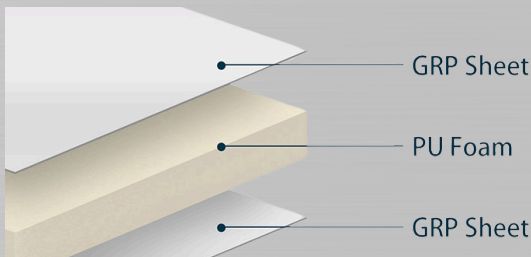
- IP66 rated LED Light and On/Off Switch for safe zone use*
- Ex certified LED Light and Switch for Zone 1 and Zone 2 use*

Internal Equipment Mount Plate and Earth Termination Bar

- Ready assembled plate that is provisioned for telephone or page-party devices,
- Available in GRP or SS316L material
- Protective earth termination bar for electrical safety grounding hub for internal equipment

GRP Sandwish Panel with rigid PU foam

- Non-hygroscopic, rot proof, mould proof, chemical resistant, fire retardant
- High noise insulation, UV stable and durable



Cable Trays

- Ready assembled cable trays that are configured to user's requirement, made of SS316L for corrosion free

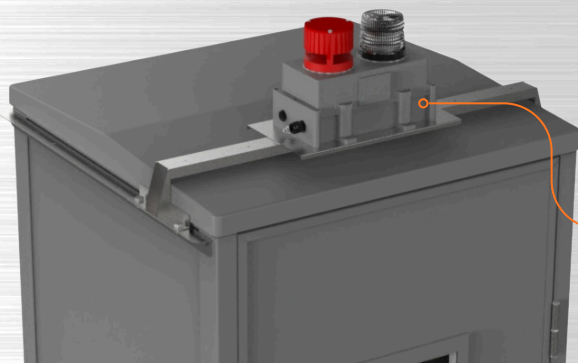


Internally Mounted Junction Box

- Ready assembled junction box to accommodate site incoming cables for power supply and control signal inputs

External Signalling Devices (Beacon & Sounder)

- IP66 rated Beacon+Sounder for safe zone use
- Ex certified Beacon+ Sounder for Zone 1 and Zone 2 use*



Cable Entry Points (Multi-Cable Transit)

- Multi-Cable Transit Seals with SS316L Brackets can be configured as per users' requirement according to number of cables and size used



Note * : 3rd Party Brand Devices

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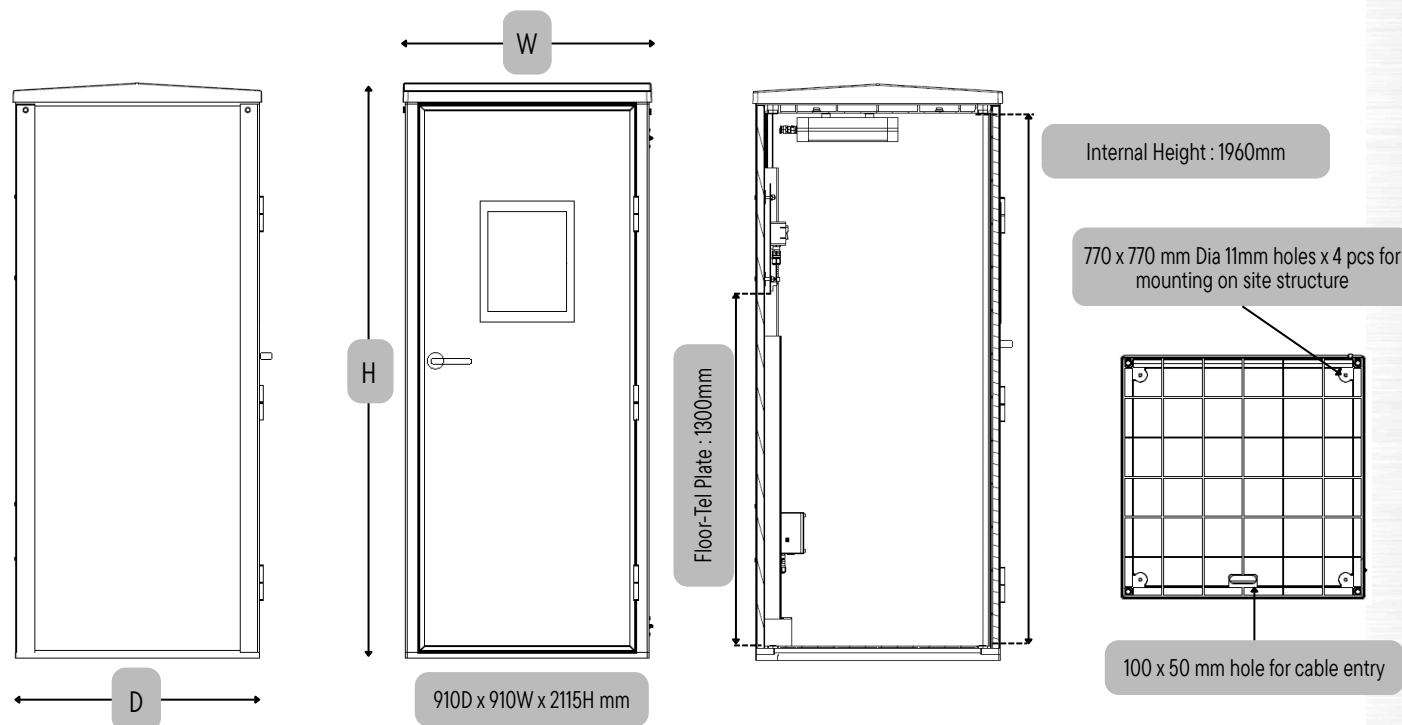
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GENERAL DIMENSION

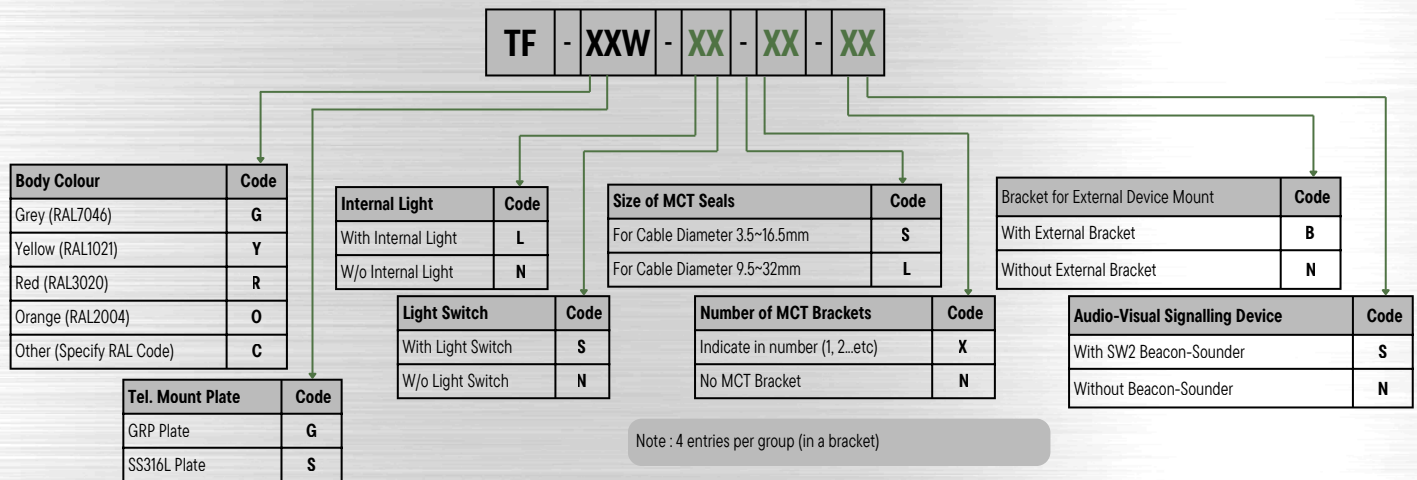


SPECIFICATIONS	
General Dimension	910D x 910W x 2115H mm
Material of Body	GRP Frame, Non-hygroscopic, UV stable GRP Sandwish Panel with rigid PU Foam
Net Weight	140Kg (TF Booth without accessories, equipments)
Surface Finish and Colours	Epoxy paint coated, available in grey, yellow, red, orange or user's specified RAL colour code
Size and Weight of Internal Equipment Mount Plate	400H x 500W mm, 5mm Thick for GRP or 2mm Thick for SS316L
Bottom Cable Entry Size	100 x 50 mm
Noise Insulation	35dB
AVAILABLE ACCESSORIES AND DEVICES FOR SAFE ZONE USE CONFIGURATION	
Internal Light*	IP65, 10W LED Lamp, 100~230VAC 50/60Hz, 660L x 90W x 90H mm
On/Off Switch*	IP66, 20A@250VAC, Double Pole Switch, Polycarbonate Body, 90 x 90 x 65 mm
Safe Zone Use Beacon-Sounder	Alphino Brand SW2 Beacon Sounder (Please refer to respective datasheet)
AVAILABLE ACCESSORIES AND DEVICES FOR ZONE 1 & Zone 2 USE CONFIGURATION	
Internal Light*	IECEX, ATEX Approved, IP66, 24W LED Lamp, 100~230VAC 50/60 Hz 385L x 126W x 90 H mm, Aluminium Body with Polycarbonate Lens
On/Off Switch*	IECEX, ATEX Approved, IP66, 16A 250VAC, Polyamide Body, 2 pole ON/OFF 85W x 85H x 90D mm
Beacon-Sounder*	Customized selection on 3 rd party brands as per user's selected configuration
External Device Mount Brackets, Cable Trays, MCT Seals and Brackets	
External Device Mount Brackets	Customized configuration as per user's selected set up, SS316 Material
Cable Trays	Customized configuration as per user's selected set up, SS316 Material
MCT Seals and Brackets	(S) 4 X cable diameter 3.5~16.5mm or (L) 4 x Cable Diameter 9.5~32mm

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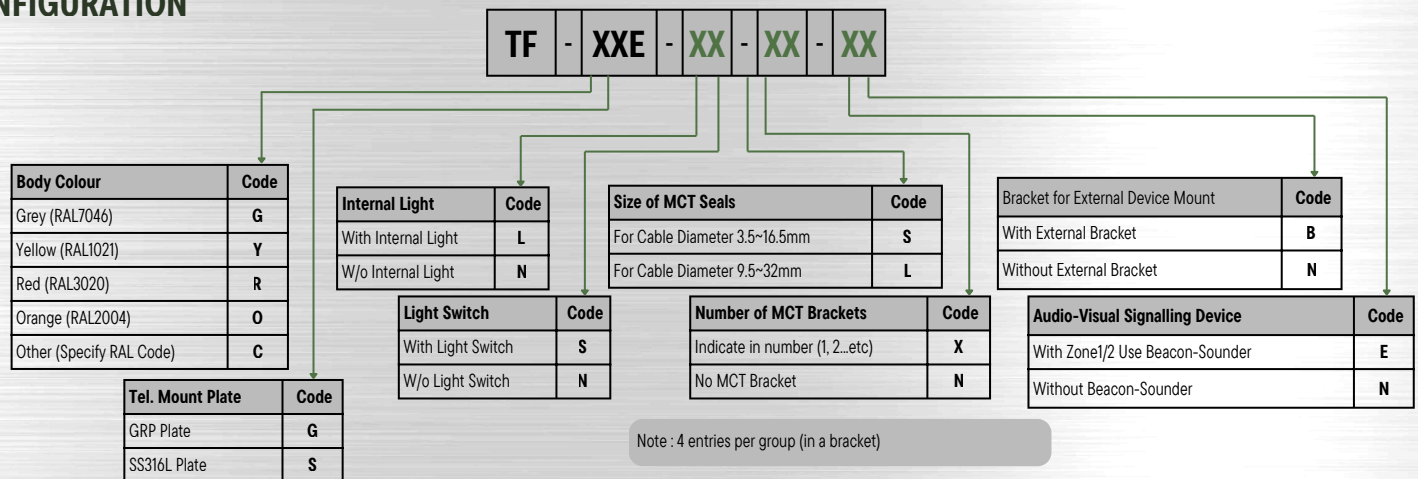
ORDERING INFORMATION - TF BOOTH WITH ADD-ON ACCESSORIES FOR SAFE ZONE USE CONFIGURATION



Note 1 : Cable trays are supplied as per required configuration to order code selected

Note 2 : NEK606, BFOU Non Armoured Cables, Nickel-Plated Brass IP66 Cable Glands are supplied as per required configuration

ORDERING INFORMATION - TF BOOTH WITH ADD-ON ACCESSORIES FOR ZONE 1 & ZONE 2 USE CONFIGURATION



Note 1 : Cable trays are supplied as per required configuration to order code selected

Note 2 : Ex marking of Internal Light
Ex II 2 G Ex eb mb IIC T5...T6 Gb
Ex II 2 D Ex tb IIIC T80°C Db
T5 : -40°C < T amb < +50 °C
T6 : -40°C < T amb < +40 °C

Note 3 : Ex marking of Light Switch
Ex II 2 G Ex de IIC T6
Ex II 2 D Ex td A21 T67°C
-20°C < T amb < +40 °C

Note 4 : NEK606, BFOU Non Armoured Cables, Nickel-Plated Brass Ex d Cable Glands are supplied as per required configuration