

- Explosion-proof certified
- Germanium window glass
- Built in baked-on enameled anticorodal aluminium
- Weatherproof standard IP65



The EXHC000G, EXHC003RG housings and EXPTC010G, EXPTC033RG P&T's are made with strong Anticorodal aluminium die-cast alloy of EN-AB 42000-GAS7 group and their chemical composition is defined in the CEI EN 50014 standard. All are equipped with a germanium viewing window designed for Thermal Imaging Cameras installation. The clear germanium glass composition with remarkable properties covers transmission from 7.5 to 14 μ m IR range with the best optical quality. Depending on the model, all external components are stove enamelled using powder (mod. EXHC000G- EXPTC010G) or treated with special coatings such as PPA571 and EUKOKOTE 711.92 offering an excellent resistance to UV rays, salt-spray, environment polluting substances (mod. EXHC003RG, EXPTC033RG). They are constructed according to the 94/9/CE ATEX standard.

EXHC000G - EXHC003RG • The cylindrical body of EXH housing (diameter 210mm and length 400mm) is closed on the opposite sides by two 12mm thick flanges. The Germanium glass, 12mm thick, offers a viewing window of 114mm diameter. The housing is equipped with two 3/4" GAS cable glands that allow the wiring. The camera housing EXHC000G is equipped with an internal housing heater and optional sunshield, while EXHC003RG is equipped of reinforced heater.

EXPTC010G - EXPTC033RG • The EXPT system includes a housing with the same characteristics of the EXHC000G and a Pan & Tilt, designed for movement both in horizontal and vertical planes. The peculiar characteristic of the EXPT device is the absence of external wiring in rotation, either for the control of the Pan & Tilt or for the camera and lens. This solution makes the installation and the maintenance of the Pan & Tilt easy. The EXPT includes one multiconductors cable that comes out from the base of the Pan & Tilt through a cable-gland. The EXPTC010G is supplied with preset, autopan and housing heater and optionally with sunshield, while EXPTC033RG offers in addition reinforced housing heater and motors heater.

* for full specs on the housing and P&T please check explosionproof housing and P&T data sheets.

EXHC000G-EXPTC010G

EXPLOSION-PROOF HOUSINGS AND P&T'S FOR THERMAL CAMERAS



TECHNICAL DATA

GENERAL

Non-corrosive die-cast aluminium (anticorrosive)
 Bicomponent polyurethane enamel with orange peel effect, RAL7032 (EXHC000G, EXPTC010G)
 Special painting for low temperature, blue color (EXHC003RG, EXPTC033RG). Resistant to stress cracking, adverse weather conditions, detergents, salt-spray and typical airborne pollutants
 Supplied with instruction manual and conformity declaration

MECHANICAL

EXHC000G, EXHC003RG
 2x3/4" GAS cable glands
EXPTC010G, EXPTC033RG
 1 cable gland 3/4" GAS for armoured cable at the base of the P&T

One multiconductors armoured cable normally supplied 7.5m (24ft) length: 25 poles 0.5mm, 4 poles 1mm, 2 RG174 of 75W

Germanium Glass Window

12mm (0.47in) thick, Ø 155mm (6.1in) external, Ø 114mm (4.4in) internal
 External non-scratch treatment (hard carbon coating)
 Internal antireflection treatment
 Spectral range from 7.5 to 14µm IR range
 Average transmission from 7.5 to 11.5µm, 94%
 Average transmission from 11.5 to 14µm, 90%

External dimensions

EXHC000G, EXHC003RG
 Ø 210x430mm (8.2x16.9in)
EXPTC010G, EXPTC033RG
 570x407x640mm (22.4x16x25.1in)

Internal dimensions

EXHC000G, EXHC003RG
 Ø 180x380mm (7x14.9in)
EXPTC010G, EXPTC033RG
 Ø 180x380mm (7x14.9in)

Internal usable area

EXHC000G, EXHC003RG
 Ø 180x380mm (7x14.9in)
EXPTC010G 100x100x280mm (3.9x3.9x11in)
EXPTC033RG 100x100x280mm (3.9x3.9x11in)

ELECTRICAL

Power supply IN 24V AC, 50/60Hz
 Horizontal and vertical motor consumption: 50W max (EXPTC010G, EXPTC033RG)
 Standard vertical and horizontal preset potentiometers (EXPTC010G, EXPTC033RG)

Heater Ton 10°C+/-4°C(50°F+/-7°F) Toff 25°C+/-3°C(77°F+/-5°F)

- IN 24V AC, consumption 20W max (EXHC000G, EXPTC010G)

Reinforced heater Ton 10°C+/-4°C(50°F+/-7°F) Toff 25°C+/-3°C(77°F+/-5°F)

3 resistors in the housing (EXHC003RG, EXPTC033RG)

2 resistors in the P&T: one for each motor (EXPTC033RG)
 Consumption 60W max (EXHC003RG), 100W max (EXPTC033RG)

Camera equipped with lens

Max power 20W
 Power supply max 24V AC for EXPT
 Power supply 24V AC or 230V AC for EXHC

ACCESSORIES

EXHS000 Sunshield 650mm for EXHC000G and EXHC003RG
EXPTS000 Sunshield 760mm for EXPTC010G and EXPTC033RG

RELATED PRODUCTS

EXWBJ000 Wall bracket and ball joint for EXHC000G housing
EXWBJ00R Wall bracket and ball joint for EXHC003RG housing with special painting
EXBJ000 Ball joint for EXHC000G housing
EXBJ00R Ball joint for EXHC003RG with special painting
EXPTWB000 Bracket for EXPTC010G
EXPTWB00R Bracket for EXPTC033RG with special painting
EXDTRX3 Telemetry receiver 17 functions, 230V AC
EXDTRX324 Telemetry receiver 17 functions, 24V AC

ENVIRONMENT

Indoor / Outdoor
 Operating temperature with heater: -20°C / +50°C (-4°F / +122°F)
 Operating temperature with reinforced heater: -40°C / +50°C (-40°F / +122°F)

COMPLIANCE TO

ATEX (TUV Nord Certification), directive 94/9/CE

Group: II (surface device, no mining)
 Category: 2 (elevated protection degree, the devices of this category can be installed in zone 1 and 21 and in zone 2 and 22)
 Atmosphere type: GD (gases and dusts)
 EEx d: explosion-proof housing for potentially explosive environments
 IIC: gases group
 T6-T85°C: temperature classification for gases and dusts respectively
 IP65: enclosure weatherproof standard

EXHC000G - EXHC003RG - EXPTC010G - EXPTC033RG

Ⓜ II 2 GD EExd IIC T6 T85°C IP65 ATEX

© 0044: notify number from competent body

SPARE PARTS LIST

OEXVETG Front flange complete with glass for EXHC000G and EXPTC010G
OCTEX3/4 3/4" cable gland for EXHC000G and EXHC003RG housings

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THERMAL IMAGING
CAMERA HOUSINGS

Unit Weight:	Package Weight:	Package Dimensions (BxHxL):	Master Carton:
EXHC000G 15 kg / 33lb	EXHC000G 17.5kg / 38.6lb	EXHC000G 61x32x31cm / 24x12.6x12.2in	EXHC000G -
EXPTC010G 56.5kg / 124.5lb	EXPTC010G 61.2kg / 134.9lb	EXPTC010G 76x 41x67cm / 29.9x16.1x26.4in	EXPTC010G -
EXWBJ 6.6kg / 14.5lb	EXWBJ 7kg / 15.4lb	EXWBJ 27x18x49cm / 10.6x7x19.3in	EXWBJ -
EXBJ 3kg / 6.6lb	EXBJ 2.9kg / 6.4lb	EXBJ 16x21x12cm / 6.3x8.3x4.7in	EXBJ -
EXPTWB 11kg / 24.2lb	EXPTWB 11kg / 24.3lb	EXPTWB -	EXPTWB -