

CAMERA HOUSINGS : FLAMEPROOF
Phoenix 7" ATEX Flameproof Housing
DESCRIPTION

The Bewator "Phoenix Flameproof" equipment is ATEX certified to be used in potentially hazardous areas where there is a risk of explosion because flammable gases, vapours, mists or dusts may be present.

The housing is designed to prevent explosions by containing any heat, sparks, or flames generated. This prevents potentially explosive atmospheres or materials outside the equipment being ignited.

The housing is ATEX certified for use in IIC gas environments (includes hydrogen and acetylene). The housing can be factory fitted with a wiper and integral 10 or 17fn AC Telemetry Receiver.

PRODUCT IMAGE

TECHNICAL INFORMATION

Product Specification	Certification to European ATEX Directive 94/9/EC. Ex ii 2 GD -Group ii: Not suitable for mining applications. -Category 2: Protection suitable for normal operation and frequently occurring disturbances where faults are normally taken into account. Equipment remains energised and functioning in Zones 1,2(G) and/or 21,22(D). EExd IIC T6 -Flameproof enclosure to standard EN 50 014 and EN 50 018 Zones 1 & 2. -Flammable gas is likely to occur in normal operation. -Group IIA/IIB/IIC - Typical gas vapours: Hydrogen, Acetylene, Ethylene, coke oven gas, dimethyl ether, diethylether, ethylene oxide. -T6 Temperature class: based on ambient temperature of 40° C. -Maximum surface temperature generated by the unit does not exceed 85° C.
Dimensions	Supplied complete with heater & sun shield. 675x209x186mm (LWH)
Internal Dimensions	420x114x94mm (LxWxH)
Unit Weight	11.8kg
Temperature Range	-20° C to +40° C
Environmental	IP67 BS EN 60 529
Power Supply	24/110/230V AC Options
Colour	Body: Polyester Powder Coat RAL1020 (Yellow). Endplates: Clear Anodised. Sunshield: White Polyester Powder Coat.

Material	Aluminium extrusion (housing body), aluminium (end caps and sunshield)
Cable Entry Into Housing	Internal Terminal Block, 4 off 20mm x 1.5 threaded holes for certified glands, fitted with BASEEFA certified blanking plugs. Standard 3 Conductors 0.75mm ²
Power Cable Recommendations	
Relative Humidity	95% Non-Condensing Max.
MAXIMUM Lens Parameters	Length: 120mm Cross Section Area: 58.5 sq.cm Power Dissipation: 5Watts
MAXIMUM Camera Parameters	Length INCLUDING Lens: 270mm Cross Section Area: 54 sq.cm Power Dissipation: 10Watts
Special Features	Certification required for equipment fitted within housing (camera, lens etc.)
Demister	7 Watts nominal. PTC resistor heating element.
Wash/Wipe	Wiper Factory Fit Option: 230,24 or 110Vac

ADDITIONAL INFORMATION

Telemetry	Factory Fit Option: 10 or 17 function receiver
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PRODUCT CODES & VERSIONS

FH07C-40 (FH07 7" 230V AC ATEX IIC Flameproof Housing)
FH07C-40/L (FH07 7" 24V AC ATEX IIC Flameproof Housing)
FH07C-40/U (FH07 7" 110V AC ATEX IIC Flameproof Housing)

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