

**CAMERA HOUSINGS : FLAMEPROOF**

**Phoenix 7" ATEX Flameproof Camera Head**

**DESCRIPTION**

**PRODUCT IMAGE**

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 camera head, which comprises both a housing and pre-set pan & tilt head, is designed to prevent explosions by containing any heat, sparks, or flames generated by equipment inside it. This prevents potentially explosive atmospheres or materials outside the equipment being ignited.

The camera head is ATEX certified for use in IIC gas environments (includes hydrogen and acetylene).

The housing can have a wiper and integral 10 or 17fn AC Telemetry Receiver factory fitted.



**TECHNICAL INFORMATION**

<b>Product Specification</b>	<p>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 &amp; 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.</p> <p>Supplied complete with heater &amp; sun shield. Housing: 675x209x186mm (LWH) P&amp;T: 448x167x286mm</p>
<b>Dimensions</b>	
<b>Internal Dimensions</b>	Housing: 420x114x94mm (LxWxH)
<b>Unit Weight</b>	Housing: 11.8kg P&T: 19kg (incl. side mount platform)
<b>Temperature Range</b>	-20° C to +40° C
<b>Environmental</b>	IP67 BS EN 60 529
<b>Power Consumption</b>	200mA (230VAC), 400mA (110VAC), 1.6A (24VAC)
<b>Power Supply</b>	24/110/230V AC Options
<b>Colour</b>	Body: Polyester Powder Coat RAL1021 (Yellow). Endplates: Clear Anodised. Sunshield: White Polyester Powder Coat .
<b>Load Weights</b>	TBA
<b>Pan Speed</b>	5° /s Torque 45Nm Backlash ±0.15° (max.)
<b>Tilt Seed</b>	5° /s Torque 45Nm Backlash ±0.15° (max.)
<b>Rotation</b>	Max. 346° Pan, ±173° Tilt (Side Mount)

<b>P&amp;T Stall Protection</b>	Continuous Stall Rated Motors
<b>P&amp;T Cable 1.5m prewired potted gland cable supplied</b>	10 Conductors 0.75mm2
<b>Housing Cable Entry</b>	Internal Terminal Block, 4 off 20mm x 1.5 threaded holes for certified glands, fitted with BASEEFA certified blanking plugs. Standard 3 Conductors 0.75mm2
<b>Housing Power Cable Recommendations</b>	
<b>Relative Humidity</b>	95% Non-Condensing Max.
<b>MAXIMUM Lens Parameters</b>	Length: 120mm Cross Section Area: 58.5 sq.cm Power Dissipation: 5Watts
<b>MAXIMUM Camera Parameters</b>	Length INCLUDING Lens: 270mm Cross Section Area: 54 sq.cm Power Dissipation: 10Watts
<b>Special Features</b>	Certification required for equipment fitted within housing (camera, lens etc)
<b>Demister</b>	7 Watts nominal. PTC resistor heating element.
<b>Wash/Wipe</b>	Wiper Factory-Fit Option: 230,24 or 110Vac
<b>Camera Presets</b>	Standard

## ADDITIONAL INFORMATION

<b>Telemetry</b>	Factory-Fit Option: 10 or 17 function receiver
<b>Material</b>	Aluminium extrusion (housing body), aluminium (P&T body, all end caps and housing sunshield)

## PRODUCT CODES & VERSIONS

FPHC-40 (PHOENIX 230V AC ATEX IIC Flameproof Preset Camera Head)  
FPHC-40/L (PHOENIX 24V AC ATEX IIC Flameproof Preset Camera Head)  
FPHC-40/U (PHOENIX 110V AC ATEX IIC Flameproof Preset Camera Head)

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**Bewator Limited, Albany Street, Newport, South Wales, NP20 5XW, UK.**

T: +44 (0)1633 821000 F: +44 (0)1633 850893 E: sales@bewator.co.uk W: [www.bewator.co.uk](http://www.bewator.co.uk)