



baty



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bore
scopes



Baty International has been in business since 1932. Originally, a manufacturer of high precision dial indicators and other associated instruments such as cylinder bore gauges.

Baty soon diversified into non-contact measurement with Optical Profile Projectors and the Baty 'Shadograph' series has since become an industry standard in profile projectors. These products are still manufactured in Sussex in accordance with ISO 9001:2000.

For decades Baty has employed a team of Field Based Service Engineers. Today, our service department is the largest ISO 9001:2000 accredited Projector Service Organisation in the UK offering on-site Service, Training, Retrofits, and Repair for all makes of Profile Projector and Vision Systems.

In keeping with its gauging roots, Baty acquired John Bull and British Indicators, extending its gauging range to include calipers and flexible fixturing.

The range was then completed in the eighties when our first camera based Video Inspectors were developed. Video Edge Detection (VED) was soon added giving rise to increased accuracy, repeatability and measuring speed.

Now all our vision systems offer the best of both worlds with the combination of non-contact (VED) and contact measurement using Renishaw's extensive touch probe range.

Today, Baty is an ISO 9001:2000 accredited company that offers a range of Metrology Instruments from Hand Tools to Vision Systems, offering measuring solutions for almost every measurement application in modern manufacturing and now, we've put them together into one catalogue for your convenience.

So, whether you need a digital caliper or a full CNC multi-sensing Vision system...

...it's here.

We look forward to talking to you.

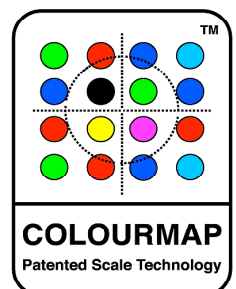
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FIBRE OPTIC BORE-SCOPE

This fibre optic bore-scope features a 6mm diameter fibre optic bundle.

Ideal for engine gearbox inspection, the construction consists of a wide angle objective lens and high resolution imaging fibre to carry the image to the high magnification eye piece.

Built-in light source on handle illuminates target area.

The flexible shaft features 'stay-put' type sheathing that holds its shape to view around corners and into restricted areas. This instrument utilises state of the art high resolution imaging fibre connected to the wide angle objective lens and the easy to view high magnification eyepiece.

Features

- field of view 48°
- Fibre length 600mm
- Supplied in case
- Diopter adjustable eyepiece
- Bending radius down to 75mm
- Depth of field from infinity to 10mm
- Supplied with 90 degree mirror viewing attachment



Model 13552



The portable Video-Scope 900 is a new visual inspection device which comes with an integrated 2.4" TFT LCD display and 320 x 240 CMOS water-resistant camera, complete with two adjustable LEDs plus an AV connector for your TV.

Small size, lightweight design and easy to use mechanism makes it a cost effective tool for many fields such as machinery, chemical, aviation, security and other areas.

Features

- Flexible video borescope with built-in dual LED light source to illuminate object
- High resolution image and optical system
- Glare free close up and wide range field of view
- Flexible fibre optic gooseneck, 900mm long retains configured shape
- Shaft can be exposed to water, sealed to IP67
- TV video output for capturing images
- Powered by 4 x AA batteries (supplied)

Specifications

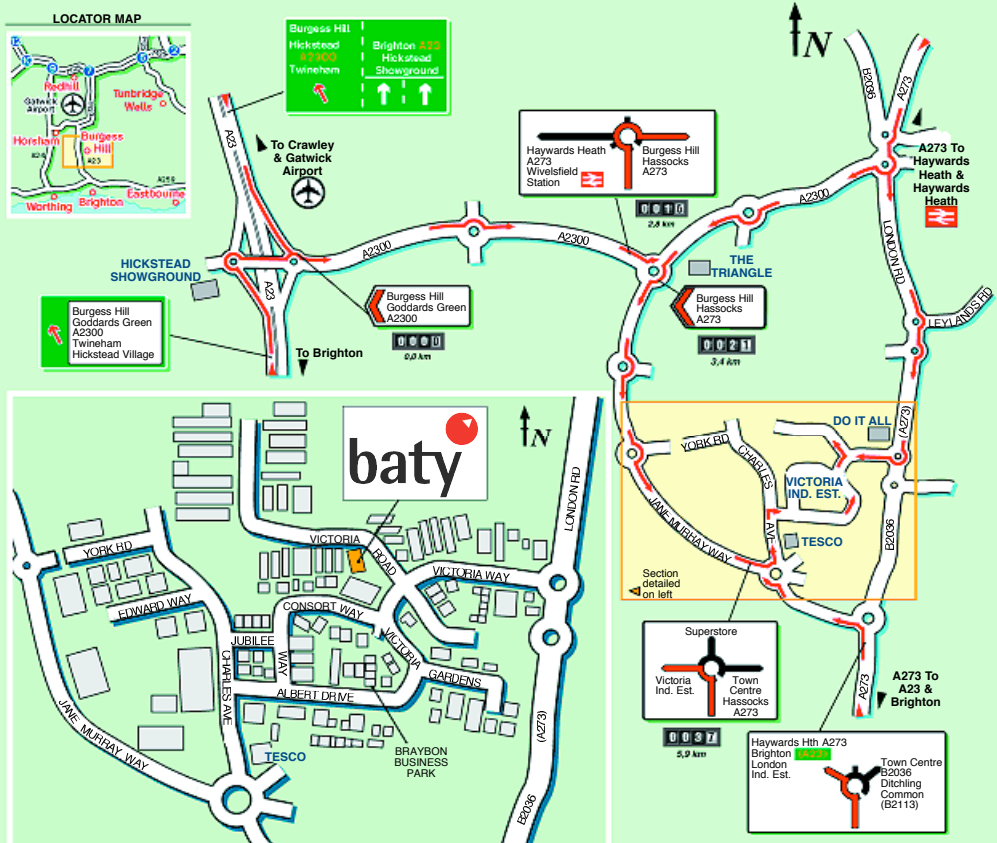
- 2 adjustable white LED lighting
- Lens: F#2.8 view of angle 54°
- 1/8" analog CMOS
- Focal distance 3~6cm
- Lens outer diameter 10mm
- NTSC TV video AVI output
- Flexible tube in 900mm length
- Tube outer diameter 6.8mm
- 2.4" colour LCD, 234 x 320 pixels
- Powered by 4 x AA batteries
- PE covered tube, ABS handler
- Magnet / hook and mirror accessories



Technical data

2.4" TFT resolution	320 x 234 pixels
Lens sensor resolution	320 x 240 pixels
Sensitivity	0.7V (Lux sec)
Colour mosaic	RGB Bayer pattern
White comparison	Automatic
Exposure to light	Automatic
Video format	NTSC composite video
Camera illumination	2 LEDs, white
Handler end AVI port	NTSC signal out
Power by	4 x 1.5V AA
Power consumption	200mA
Ambient/operation temperature	0 to 45
TV cable length	Approx 1.5m
Total length of device	114.9 ± 2.0cm
Metal tube length	88.0 ± 2.0cm
Minimum bending radius	4.5cm
Lens coverage	54
Short distance focus	3~6cm
Weight without accessories	Approx 370gm

How to find us...



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