

# K.W.KIRK & SONS LTD.

The Winship Industrial Estate,  
Milton,  
Cambridge CB4 4BD

Telephone Cambridge (0223) 420102  
Fax Cambridge (0223) 420175

# KIRK

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## Technology

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### MICROSCOPE PRICE LIST JUNE 1988

#### Medical Microscope

6003	Standard Bio Medical Microscope with Mirror, Lighttube, single lense condensor & Iris, 10 x 40 and 100 x objectives (Oil immersion) and 10 x eye piece	£350.00
6400	Lamp unit with batteries	£61.50
6603	Gliding Stage	£60.00
6604	Dissecting Stage	£31.00
6901	Tripod	£25.00
6232	5 x Objective for dissecting stage	£41.00
6251	Extra Objective Plate	£31.00
6510	Dark Ground Condenser	£140.00
6522	Phase Contrast Condenser	£57.00
6222	Phase x 40 Objective	£51.00
5809	Blood Cell Count Kit	£121.00
011	Immersion Oil	£2.50
6418	Spare Bulb	£7.50
6943	Lined, Protective Carrying Case (Plastic)	£18.50
LDS	Lying Drop Slide	£1.70
KC24	'C' Mount CCD Camera Attachment	£35.00

Other options available on request

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### ENGINEERING MICROSCOPE - SURFACE INSPECTION

6006	Surface Inspection Microscope for inspection of large opaque immobilised or awkwardly placed surfaces by incident illumination complete with 10 x, 20 x and 40 x objectives, 10 x eye piece, incident Iris	£398.42
6400	Lamp unit with batteries	£61.25
6912	Base Plate	£61.60
6418	Spare Bulb	£7.50
6942	Lined Protective Carrying Case (Plastic)	£12.75
Other Options i.e. 5 x objective, objective plate, available on request		

### ENGINEERING MICROSCOPE - METALLURGICAL

6005	Metallurgical Microscope for examination of prepared specimens and other metallurgical objects complete with 10 x 20 and 40 x objectives 10 x Eye piece, incident Iris, Engineering Stage with adjusting screws.	£418.50
6400	Lamp Unit with batteries	£61.25
6912	Base Plate	£61.60
6902	Bench Stand	£17.30
6418	Spare Bulb	£7.50
6942	Lined protective Carrying Case (Plastic)	£12.75

Other Options available on request i.e. Spare Objectives 5 x etc,  
Objective Plate .

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**Technology**

## INTERFEROMETER

### VIDEO CAMERA ATTACHMENT KIT

#### COMPRISES \*

- \* SOLID STATE CCTV CAMERA (MONOCHROME)  
WITH ADAPTOR TO INTERFEROMETER
- \* 9" VIDEO MONITOR AND CABLE

\*

THE ABOVE KIT IS AVAILABLE FOR EXISTING  
INTERFEROMETER USERS PRICE £998

COMPLETE PACKAGE INCLUDING INTERFEROMETER £1693

INTERFEROMETER ON ITS OWN £695

(prices do not include delivery costs)

FITTING TO INTERFEROMETER: -

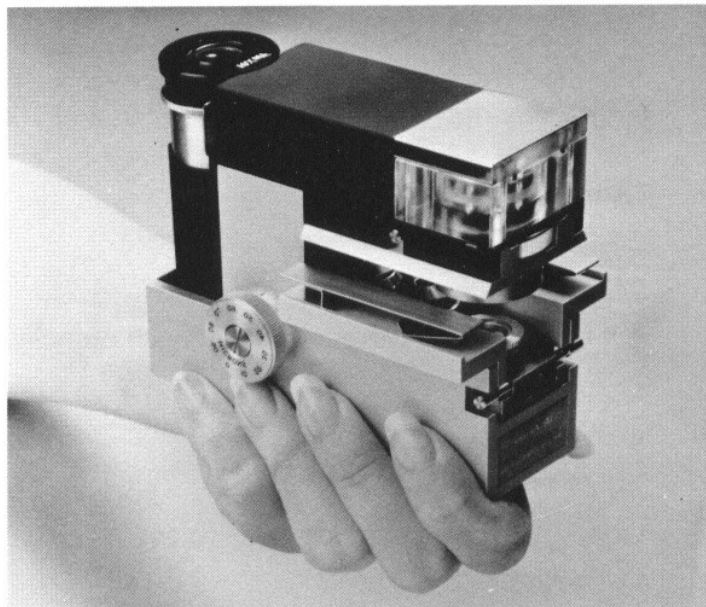
SIMPLY REMOVE THE EYEPICCE FROM THE INTERFEROMETER  
AND INSERT THE CAMERA WITH ITS ATTACHMENT.

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## DATA SHEET

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### McArthur Biological Microscope



The McArthur Microscope carries three standard objectives, yields an image identical to that of the largest conventional instruments and is capable of a number of unique operations beyond the ability of any other microscope.

In spite of its abilities, this instrument is small enough to be carried in the pocket and can be used in the hand or on the bench. Moreover it can be used under extremes of climatic, geographic and field conditions where no other microscope could be used at all.

- HEALTH SCIENCES
- VETERINARY SCIENCE
- FIELD AND MARINE BIOLOGY
- FIELD AND LABORATORY USE
- INSTANT ON THE SPOT DIAGNOSIS
- SIMPLIFIED BLOOD CELL COUNTS
- POLLUTION CONTROL AND DETECTION



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## Technical Specifications

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Dimensions 10 cm x 9 cm x 5 cm (4" x 3 1/2" x 2") (BASIC MODEL)

Weight 630 g (22 ounces)

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## Ordering Information

Code	Description
6003	Standard bio-medical microscope with mirror, light tube, single lens condenser & Iris, 10 x, 40 x, and 100 x (oil immersion) objectives and 10x eyepiece
6400	Lamp unit with batteries
6603	Gliding stage (semi-mechanical stage)
6604	Dissecting stage
6232	5 X Objective for dissecting stage with objective plate
6901	Tripod stand
Oil	Immersion oil
6418	Spare bulb in mount
6943	Lined, protective carrying case (plastic)
LDS	Lying drop slide

Phase Contrast and Dark ground available on request



Distributor:

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Made and marketed under licence from McArthur Microscopes Limited.

By:

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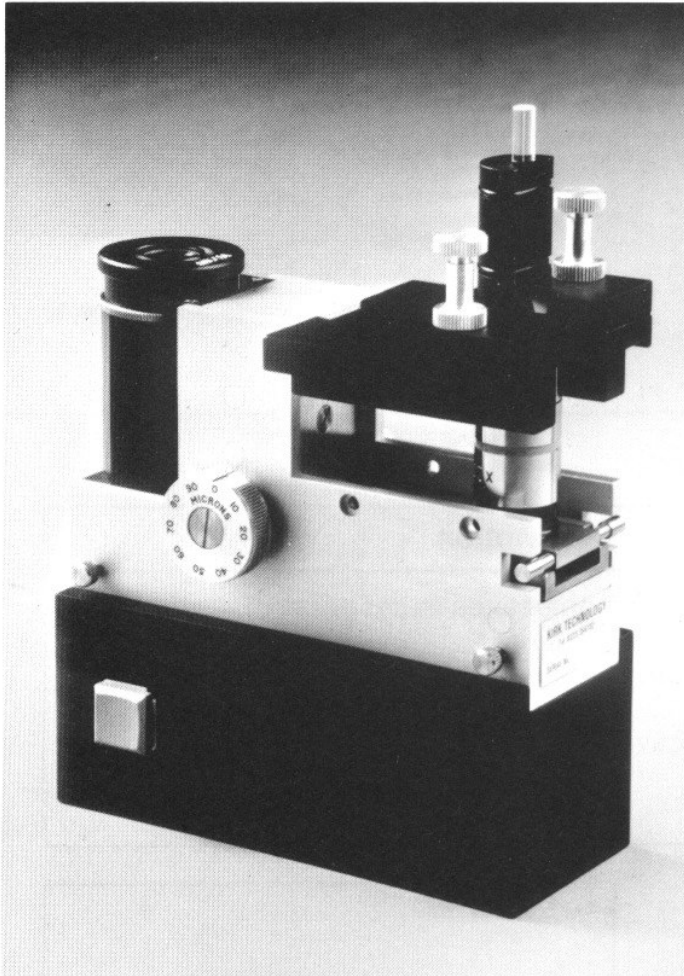


# KIRK

## Technology

### DATA SHEET

#### Interferometer



Ideal for checking cleaver performance. A unique, small, portable interferometer for checking the cleaved ends of optical fibres. It is based on a commercially available microscope with illumination provided by a red LED. Battery or mains versions are available.

An interference pattern is formed by the wedge-shaped air gap between the fibre end face and a reference flat. By counting the number of fringes, the end angle can be deduced (7 1/2 fringes across a 125µm diameter fibre is equivalent to one degree). The fibre is held perpendicular to the reference flat by a glass capillary which is itself a sliding fit into an accurately machined block. Using different capillaries, any size of fibre can be examined.

The shape and distribution of the fringes also gives data on the topography of the end face and consequently valuable information on the state of the blade of the cleaving tool.



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## Technical Specifications

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Dimensions	10 cm x 12 cm x 5 cm (4" x 4 <sup>3</sup> / <sub>4</sub> " x 2")
Construction	Alloy metal
Objectives	x 40 (others available of request)
Illumination	Red LED
Power	Mains 240 V/115 V and self contained rechargeable batteries.
Options	C.C.D. Camera attachment for video equipment use.
Weight	720 g (25 ounces approx.)

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## Ordering Information

Code	Description
IFMTR	Interferometer with x40 objectives in case.
OB3200	Optional x20 objective
OB3100	Optional x10 objective

Distributor:

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FROM G.E.C. RESEARCH LTD.

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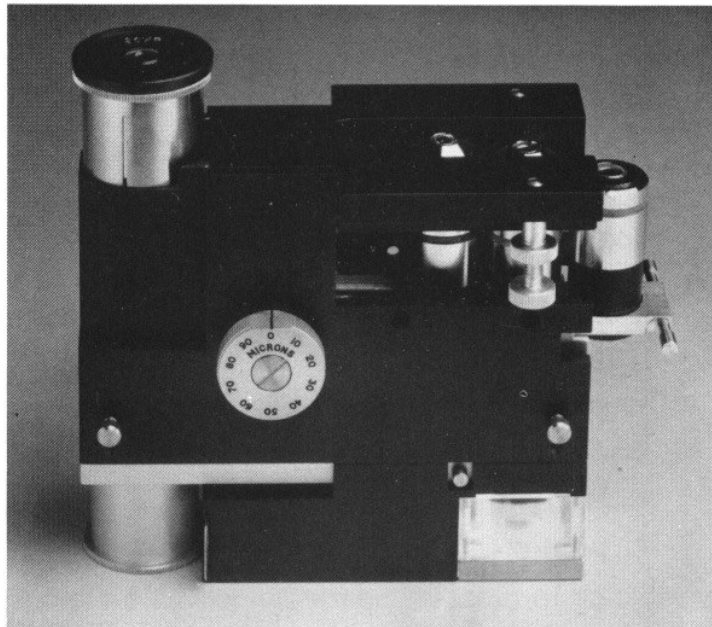
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## DATA SHEET

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### McArthur Metallurgical Microscope



The McArthur Engineering Inspection Microscope is a compact, totally portable model, ideal for the examination of metals and other opaque objects. With three standard achro objectives, the McArthur yields an image comparable to that of any bench microscope, yet it is no larger than a pocket camera

#### Applications

The size and weight of the instrument make it easily portable to any location. Small specimens can be brought to the microscope and examined with the instrument held in the hand or on the bench. Where the surface to be inspected is too big to move, the McArthur can be taken to the specimen. However it is used, the McArthur gives the same perfection of image as any conventional microscope, but no ordinary microscope can be used in the same locations or under the same climatic, geographic or field conditions as the McArthur.

- Automatic focussing at all magnifications.
- Vibration free when held in hand.
- Compact size: measures only 10 x 9 x 5cm and weighs only 630g.
- Ruggedly constructed from high quality materials.
- High quality optical system.
- Magnifications up to 400x with standard objectives;





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## Technical Specifications

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Dimensions 10 cm x 9 cm x 5 cm (4" x 3 1/2" x 2")

Weight 630 g (22 ounces)

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## Ordering Information

Code	Description
6005	Metallurgical Microscope for examination of prepared specimens and other metallurgical objects complete with 10 x 20 and 40 x objectives 10 x Eye piece, incident Iris, Engineering Stage with adjusting screws.
6400	Lamp unit with batteries
6912	Base Plate
6902	Bench Stand
6418	Spare Bulb
6942	Lined protective Carrying Case (Plastic)
Other Options available on request i.e. Spare Objectives 5 x etc, Objective Plate.	



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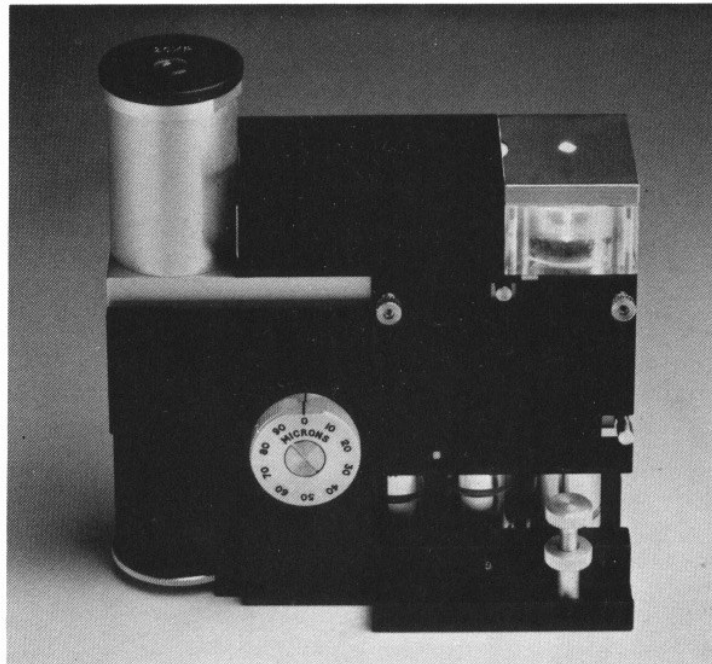
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## DATA SHEET

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### McArthur Surface Inspection Microscope



The McArthur Engineering Inspection Microscope is a compact, totally portable model, ideal for the examination of metals and other opaque objects. With three standard achro objectives, the McArthur yields an image comparable to that of any bench microscope, yet it is no larger than a pocket camera

#### Applications

The size and weight of the instrument make it easily portable to any location. Small specimens can be brought to the microscope and examined with the instrument held in the hand or on the bench. Where the surface to be inspected is too big to move, the McArthur can be taken to the specimen.

However it is used, the McArthur gives the same perfection of image as any conventional microscope, but no ordinary microscope can be used in the same locations or under the same climatic, geographic or field conditions as the McArthur.

- Ruggedly constructed from high quality materials. Extremely portable for use on location: in factories, shipyards, oil rigs, power stations, atomic reactors, etc.
- Magnifications up to 400x with standard objectives;
- Automatic focusing at all magnifications.
- Vibration free when held in the hand.
- Capable of examining surfaces inaccessible to any conventional microscope: ship's hulls, propellor blades, turbine blades, large castings, boilers and tubes, etc.
- High quality optical system.



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## Technical Specifications

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Dimensions 10 cm x 9 cm x 5 cm (4" x 3 1/2" x 2")

Weight 630 g (22 ounces)

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## Ordering Information

Code	Description
6006	Surface Inspection Microscope for inspection of large opaque immobilised or awkwardly placed surfaces by incident illumination complete with 10 x, 20 x and 40 x objectives, 10 x eye piece, incident Iris
6400	Lamp unit with batteries
6912	Base Plate
6418	Spare Bulb
6942	Lined protective Carrying Case (Plastic)
Other Options i.e. 5 x objective, objective plate, available on request.	



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