

# Novo-Curve™ Glossmeter

## Used in accordance with ASTM D523



Increasingly specifications and standards require a physical assessment of gloss. Gloss measurement is necessary to monitor the uniformity, compatibility, or possibly the deterioration of any protective gloss finish.

### Unique Features

Unique instrument with a 2 x 2 mm measurement area which gives hands free operation to measure gloss on:

- Curved as well as flat surfaces
- Any finish from matt to mirror
- Tiny objects (down to 2 x 2 mm) as well as large

### Sample Applications

- Paints - domestic appliances, pens, pencils, toys, etc
- Wood - natural, varnished, laminated
- Automobile parts - steering wheel, dashboard, trim, etc.
- Plastics - extruded and moulded parts such as window frames, bottles, mobile phones, etc.
- Furniture - wood, plastic or metal
- Glazed ceramics - mugs, bathroom furniture, tiles
- Tubes & cylinders - pipes, bottles, soft drinks cans
- Electroplating - jewellery, door knobs, handles, taps, buttons
- Camouflage - ultra low gloss finish on military equipment; binoculars, firearms, etc.
- Coin banks
- Frosted glass bottles - perfumes, whisky, etc.

### Features

- Samples to be measured are simply placed over aperture in centre of top plate.
- Four adjustable jiggling posts (which can be removed) allow consistent readings on a series of like objects
- **Instant readings** may be captured using a foot switch which frees both hands for ease of measurement, making the instrument ideal as a QA monitor on a production line
- If preferred, the instrument may be operated by **pressing a button** on front panel instead of the foot witch
- Alternatively **continuous reading** allows rapid assessment of finish variation by moving sample with foot switch / button held down
- **Down loading** of data into a PC or directly to On-line printer
- Windows™ software for analysis and permanent data storage required

### Principle of Operation

Gloss is measured by directing a constant light beam at an angle to the test surface and monitoring the reflected light. The Novocurve™, designed in conjunction with the British National Physics Laboratory (NPL), is perhaps the only glossmeter available with the capability to measure gloss on curved surfaces.

The Novocurve™ measures over an area approximately 3% of the size of that utilised by a standard gloss-meter, and so may measure local effects rather than having the "averaging" effect of a larger beam area.

This instrument is designed to store and average up to 199 readings, so it is possible to "average" a larger and selectable area and using a suitable sample population, it is possible to obtain representative results by statistical analysis.

### Specifications

**Dimensions :** 260 x 220 x 100mm

**Memory :** up to 199 readings

**Weight :** 2.5Kg

**Battery :** 110 - 120 V AC or 220 - 240 V AC

**Interface :** RS232

### Packed Assembly

glossmeter, mains power lead, BAM traceable certified calibration standards cleaning RS232 Cable, PC Software and instruction booklet.