



## Colour Measurement

### One device - two geometries 45°/0° and d/8°

- Converts the 45°/0° probe head of the sph900/860 spectrophotometer to a d/8° probe head according to DIN 5033
- Ensures result compatibility to all your customers and suppliers who are using different probe head geometries

With colour measuring devices there are two main geometries in use. These are described in the DIN NORM 5033 and distinguish mainly in the type of illumination; direct or diffuse. A probe head with a 45°/0° geometry illuminates the sample with a direct light source at 45° and measures the diffuse remitted light at zero degrees (0°). A probe head with a d/8° geometry illuminates the samples with a diffuse light source and measures the remitted light at an angle of eight degrees (8°). Because of this fundamental difference the two geometries are not compatible.

By using our MA35-UK adapter convert your ColorLite sph900/860 spectrophotometer into a combi device with the two main standardised geometries. This is decisive to ensure a 100% compatibility to all your customers or suppliers, who will be using either a 45°/0° **or** a d/8° geometry.



MA35-UK - used for transmission measurements



MA35-UK on a Stand for powder measurements



MA35-UK d/8° probe head

## Features:

- Scanning area 6 mm or small 3 mm spot for special applications, with or without gloss trap
- Integrating sphere with a perfect diffuse barium sulphate coating
- Extremely durable high powered Light emitting diodes LEDs
- Integrating sphere with a perfect diffuse barium sulphate coating
- Operation and power supply direct from the sph860/sph900 spectrophotometer
- The d/8° adapter is automatically detected by the device
- Robust casing made of lightweight Polyoxymethylene (POM)
- Supplied with certified white BAM (Bundesanstalt für Materialforschung) standard and black reference

## Applications:

Converts the 45°/0° probe head of the Colorlite sph860/sph900 spectrophotometer into a d/8° probe head. This insures that results are compatibly to all colour measuring systems on the market, using a standardised probe head according to DIN5033.

## Technical Data:

Measurement geometry:	d/8° without gloss trap - specular included - specular excluded is optional
Light source:	High powered white and blue LED'S with a lifespan of over 10 years
Power supply:	1 watt - supplied direct from the sph860/sph900
Material:	Polyoxymethylene (POM)
Dimensions:	55 mm diameter x 78 mm
Weigth:	210 g
Aperture:	8 mm / 4.5 mm
Measuring area:	6 mm / 3 mm
Coating:	Barium Sulphate
Calibration:	With certified BAM white standard and black reference

## Delivery includes:

- Probe head adapter MA35-UK
- White BAM calibration standard and black reference
- Certificate from the BAM (Bundesanstalt für Materialforschung) Berlin

## Available accessories:

- V-Block for measuring cylindrical samples
- Set for measuring powders with device holder, optical cuvette and stand
- Horizontal holder for transmission measurements of liquids, plastics etc.