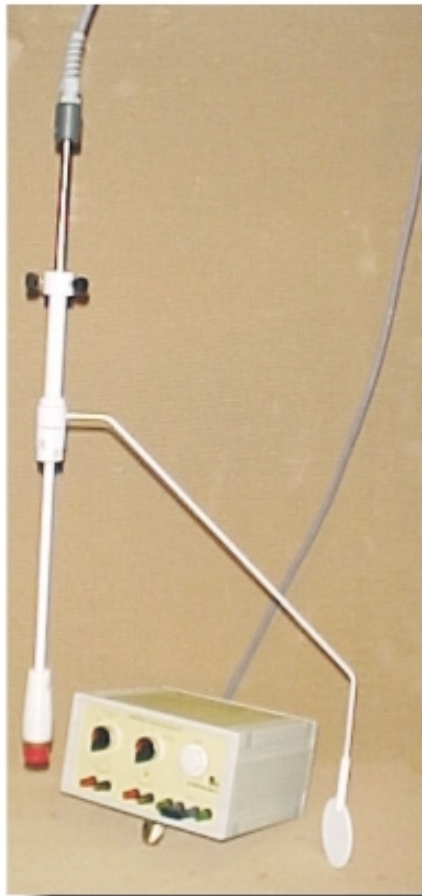




## LUMETRON KC-4 Conversion Kit for Kelvin Holders



Integrating Spheres are essential tools for photometric research laboratories & lamp / luminaire manufacturers. To derive the best results from Integrating Sphere Photometry, precision lamp holders are necessary. **LUMETRON MH-4 Series Kelvin Holders** are precision engineered products designed for use with



**LUMETRON IP Series Integrating Spheres**. The spheres are equipped with a lamp holder stem having multipin military grade socket with gold plated pins & high temperature insulation. The kelvin system ensures that leads carrying supply current to the test lamp are independent from leads used to measure voltage at the lamp base. This ensures that voltage drop in long supply lines or high current operation can be compensated and true lamp base voltage can be measured accurately. The connections from the lamp stem are terminated in a junction box outside the sphere which allows convenient connection to a suitable power supply. A separate conversion kit is available for retro-fitting in existing spheres.



## Features

### CONVERSION KIT 'LUMETRON KC-4':

- \* To enable *LUMETRON MH-4 Series Kelvin Holders* to be used with Integrating Sphere systems from other manufacturers, a special conversion kit has been designed for retrofit use.
- \* The kit includes an adjustable lamp holder stem with socket to which *LUMETRON MH-4 series Kelvin Holders* may be fixed.
- \* The stem is terminated in a junction box having terminals to connect lamp power supply.
- \* Separate terminals are provided to allow measurement of lamp base voltage.
- \* The junction box has a selector switch to select either filament in dual filament lamps without any rewiring for use in Automotive Photometry. Alternatively, in place of the selector switch, a termination scheme to allow connection of Fluorescent Lamps can be offered for Luminaire Photometry applications.
- \* Each kit is custom designed & sufficient engineering details about the existing Integrating Sphere will have to be provided to design the conversion kit fixing arrangement.

### LUMETRON MH-4 Kelvin Holders

- \* Special lamp holders for precision Sphere Photometry.
- \* Quick coupling connections. No wiring necessary.
- \* Independent connections for lamp supply (current) and lamp voltage (measurement).
- \* Fabricated from solid brass blocks or engineering plastics.
- \* Gold plated connector pins and lamp contacts ensure high measurement accuracy.
- \* Precise dimensions as per international standards.
- \* Insulating parts of PTFE for high temperature performance.
- \* Standardized connection scheme allows any MH-4 Kelvin holders to be connected to Integrating Spheres.
- \* Available for base cap types : BA 7, BA 9, BA 15s, BA 15d, BAY 15d, BA 20s, BA 20d, P45 t, P15 d25-1, P15 d25-3, P36, E27, B22, E40, TFL, PL, SV 7, SV 8.5 F2/F3, W2x4.6D, W2x7.5D. Other types on request.
- \* Can be used with *LUMETRON IP-Series Photometric Integrating Spheres* as well as spheres from other manufacturers (by using the special *LUMETRON KC-4 Conversion Kit*).

For further details on Kelvin Holders, Integrating Spheres & Photometric equipment, please contact LUMETRONICS.