



COMPOUND BARS – bi-metal strips

Cat: HL0880-001 (no handle) HL0881-001 (w/handle) HL0883-001 (w/handle)

DESCRIPTION:

The 'IEC' **compound bars** are available either with or without a handle. The handle is stainless steel for poor heat conductivity and is welded to the active part of the device.

Older styles of compound bar were of 2 large strips of different metals riveted together. The more modern IEC compound bar is made from two metals of different heat expansion coefficients bonded together face to face as if it were one single strip of metal. We make sure that the two bonded metals are different colours so the user can see that they are definitely different metals. Many other compound bars are made from different metals but it is very common that both metals have a silver appearance and this is confusing to teachers and students alike.

When the strip is heated over a flame, the different expansion coefficients cause the metal to bend strongly. The metal with the higher expansion is always on the outer surface of the bend.

HL0881-001 long **HL0883-001 short** **HL0880-001 no handle**



| Code | Blade size | Handle | Weight |
|------------|----------------|--------|---------|
| HL0880-001 | 150x12.5mm LxW | No | 0.02 kg |
| HL0881-001 | 150x12.5mm LxW | Yes | 0.04 kg |
| HL0883-001 | 100x12.5mm LxW | Yes | 0.03 kg |

NOTE: We do not supply a short blade without a handle because it requires pliers to hold it in the flame and there is a risk of dropping it and hurting a student.

Designed and manufactured in Australia