



**Nvis 6534 Experimentation with Kelvin's Bridge** is a useful training product for measuring very small values of resistance. Kelvin's double bridge or Kelvin's bridge (as it is commonly known) is a variation of Wheatstone bridge and is based on the same principle. By setting the null point we can evaluate the unknown resistance. This product has Digital Display (DPM) for the purpose of null detection implemented on the trainer board itself.

### Features

- Easy illustration of Kelvin's bridge
- Digital display (DPM) for null detection
- Online product tutorial

### Scope of Learning

- Determination of unknown resistance using Kelvin's bridge method

### Technical Specifications

|                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| DC Power Supply    | : +5V                                                                                            |
| Known Resistance   | : R1=100K $\Omega$ , 20K $\Omega$ , 10K $\Omega$<br>R3=1K $\Omega$ , 200 $\Omega$ , 100 $\Omega$ |
| Unknown Resistance | : 0.3 $\Omega$ , 0.4 $\Omega$ , 0.8 $\Omega$                                                     |
| DPM                | : 2V                                                                                             |
| Mains Supply       | : 230V $\pm$ 10%, 50 Hz                                                                          |
| Dimensions (mm)    | : 240 W x 345 D x 110 H                                                                          |