

## STRAIN GAUGE KIT HAC20K



Year 2  
study

### Features

- Customer can strain gauge their own equipment
- Customer specific projects
- All strain gauges can connect into Hilton interfaces
- All items housed in carry case
- Refill also available (HAC20R)
- Great introduction to strain gauging

### Description

The HAC20K is a complete strain gauge kit, which contains all necessary components to enable strain gauging to be successfully completed.

Housed in a durable, portable case, the kit contains the following core items:

- 3 types of strain gauges, in varying gauge lengths (10 gauges per gauge length. 30 gauges supplied in total

with kit)

- Adhesive to bond gauges to substrate
- 3 different types of terminals for connecting strain gauges to larger cables (100 off, 200 off and 200 off respectively supplied)
- Soldering iron
- Solder
- Cleaning pads, liquid, clothes
- Wire strippers
- 3 reels of wire in red, blue and yellow
- Insulating varnish
- Brushes
- Pens
- Tape
- Tweezers
- Scissors
- Abrasive paper
- Adhesive tape
- Magnifying glass

All the above items come fully labelled for ease of identification.

A comprehensive technical manual is included which gives full instructions on the procedure to adhere strain gauges to the substrate.

A refill kit is also available separately (HAC20R) which enables the core items above to be replaced when required.

#### **Related laws**

- Strain gauges
- Strain gauge technology

#### **Technical Specification**

- 120ohm gauge resistance
- 2, 10 and 20mm 'gauge' length
- Metal, glass, ceramic applications
- -196 to +150°C temperature range
- +10 to +100°C temperature compensation range

#### **Essential Ancillaries**

- Customer experiment
- Student project

#### **Recommended Ancillaries**

- HAC20R
- HAC20
- HDA200
- HPM15
- HAC20M

#### **What's in the Box?**

- 1 x Carry case
- 3 x types of strain gauges (10 gauges per type)
- 1 x Adhesive
- 3 x types of terminals (100 off, 200 off and 200 off)
- 1 x Soldering iron
- 1 x Lead free Solder
- Cleaning pads, liquid, clothes

- 1 x Wire strippers
- 3 x reels of wire (red, blue and yellow)
- 1 x Insulating varnish
- 1 x Brushes
- 1 x Pens
- 1 x Tape
- 1 x Tweezers
- 1 x Scissors
- 1 x Abrasive paper set (up to 20 sheets)
- 1 x Magnifying glass

#### **You might also like**

- HAC20R
- HAC20
- HDA200
- HPM15
- HAC20M

#### **Weights & Dimensions**

- Weight: 3kg
- Length: 460mm
- Width: 370mm
- Height: 120mm

#### **Essential Services**

- Voltage specific soldering iron??

#### **Ordering information**

To order this product, please call PA Hilton quoting the following code:  
HAC20K

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