

# SAUTER TVS 50KN80-LD

**KERN**

Practical set for force-displacement-measurements in laboratory and industry



|                                      |          |
|--------------------------------------|----------|
| Transversal movement speed variation | 1%       |
| Guide column(s) distance             | 295 mm   |
| Guide column(s) length               | 113,5 cm |
| Traverse distance [Max]              | 210 mm   |

## Functions

|                                                      |   |
|------------------------------------------------------|---|
| Speed display                                        | ✓ |
| Repeat function                                      | ✓ |
| Length measuring - zero setting                      | ✓ |
| Pre-added and pre-reduced length manually adjustable | ✓ |
| Limit switch                                         | ✓ |

## Power Supply

|                                                         |                          |
|---------------------------------------------------------|--------------------------|
| Power supply type                                       | Built-in power supply    |
| Plug-in power supply / adapter for countries - optional | UK<br>CH                 |
| Input voltage power supply / power [Max]                | 230 V AC, 50 Hz          |
| Power supply cable removable                            | fixed connection         |
| Input voltage device / power [Max]                      | ~220 V - 240 V AC; 50 Hz |
| Power socket for mains adapter                          | Power supply cable       |

## Environmental conditions

|                           |        |
|---------------------------|--------|
| Storage temperature [Min] | -10 °C |
| Storage temperature [Max] | 40 °C  |

## Approval

|         |   |
|---------|---|
| CE mark | ✓ |
|---------|---|

## Packing & Shipping

|                              |                 |
|------------------------------|-----------------|
| Delivery time                | 2 d             |
| Dimensions packaging (W×D×H) | 600×410×1790 mm |
| Shipping method              | Freight         |
| Net weight approx.           | 150 kg          |
| Gross weight approx.         | 175 kg          |
| Shipping weight              | 171 kg          |
| Shipping volume weight       | 88,1 kg         |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761343764            |
| Trade number         | 90249000                 |
| REACH classification | no prohibited substances |

## Category

|                  |                |
|------------------|----------------|
| Brand            | Sauter         |
| Product category | Test bench     |
| Product group    | Test stand set |
| Product family   | TVS-LD         |

## Measuring System

|                             |                                             |
|-----------------------------|---------------------------------------------|
| Measurable length [Max]     | 21 cm                                       |
| Tolerance (measured length) | 0,5%                                        |
| Length measuring device     | Length measuring device with data interface |

## Display

|                                       |               |
|---------------------------------------|---------------|
| Display type                          | LED segments  |
| Display type                          | 7 segment LED |
| Display digit height - smallest digit | 9 mm          |

## Construction

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Dimension (W×D×H)                     | 255×480×1670 mm                  |
| Dimensions completely mounted (W×D×H) | 480×255×1670 mm                  |
| Material housing                      | metal, lacquered                 |
| Material display housing              | metal, lacquered                 |
| Type of drive                         | Stepper motor                    |
| Mounting - force dissipation          | Threaded hole - 1 × M18, 4 × M10 |
| Mounting - force application          | Threaded hole - 1 × M18, 4 × M10 |
| Generated force [Max]                 | 50 kN                            |
| Transversal movement speed [Min]      | 1 mm/min                         |
| Transversal movement speed [Max]      | 80 mm/min                        |

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## Pictograms

### STANDARD

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