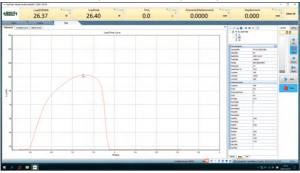


#### **ELECTRONIC UNIVERSAL TESTING MACHINES**

computer and software (included)









V-shaped jaws (included)



- For testing and researching the mechanical properties of metals, ceramics, plastics, rubber and composite materials
- For research and quality control of mechanical properties of materials for a wide range of products such as mechanical components, electronic components, food packaging materials, chemical fibres, films and new energy batteries





UTM-E50

#### **SPECIFICATION**

| Code                              | UTM-E10  | UTM-E20                           | UTM-E30                           | UTM-E50                             |  |  |
|-----------------------------------|--|-----------------------------------|-----------------------------------|-------------------------------------|--|--|
| Max. test force                   | 10kN   | 20kN                              | 30kN                              | 50kN                                |  |  |
| Accuracy class                    | class 0.5  |                                   |                                   |                                     |  |  |
| Accuracy of test force            | ±0.5% of indicated va  | ±0.5% of indicated value          |                                   |                                     |  |  |
| Range of test force               | 0.2%~100%FS  |                                   |                                   |                                     |  |  |
| Resolution of test force          | 1/500000FS   |                                   |                                   |                                     |  |  |
| Crossbeam displacement accuracy   | ±0.5% of indicated va  | lue                               |                                   |                                     |  |  |
| Crossbeam displacement resolution | 0.025µm  |                                   |                                   |                                     |  |  |
| Range of speed adjustment         | 0.001~500mm/min  |                                   |                                   |                                     |  |  |
| Accuracy of crossbeam speed       | ±1% of the set value (speed<0.5mm/min)<br>±0.1% of the set value (speed≥0.5mm/min) |                                   |                                   |                                     |  |  |
| Range of force control speed      | 0.005~5%FS/s   |                                   |                                   |                                     |  |  |
| Accuracy of crossbeam speed       | ±1% of the set value (speed<0.05%FS/s)<br>±0.5% of the set value (speed≥0.05%FS/s) |                                   |                                   |                                     |  |  |
| Compression fixture               | Ø100mm   | Ø100mm                            | Ø100mm                            | Ø100mm                              |  |  |
| Wedge tension fixture             | flat jaw: 0~7mm  | flat jaw: 0~7mm<br>V-jaw: Ø4~Ø9mm | flat jaw: 0~7mm<br>V-jaw: Ø4~Ø9mm | flat jaw: 0~14mm<br>V-jaw: Ø4~Ø14mm |  |  |
| Effective test width *            | 400mm  | 440mm                             | 440mm                             | 440mm                               |  |  |
| Vertical test space *             | 1030mm   | 970mm                             | 970mm                             | 970mm                               |  |  |
| Effective compression height *    | 800mm  | 700mm                             | 700mm                             | 700mm                               |  |  |
| Dimension (W×D×H)                 | 715×500×1680mm   | 820×620×1880mm                    | 820×620×1880mm                    | 820×620×1880mm                      |  |  |
| Weight                            | 230kg  | 350kg                             | 350kg                             | 350kg                               |  |  |
| Power supply                      | AC 220V, 50Hz, 0.4kW~1kW   |                                   |                                   |                                     |  |  |

<sup>\*</sup>Can be customized according to test requirements

To be continued



#### Continued from previous page

#### **SPECIFICATION**

| Code                              | UTM-E100   | UTM-E200                            | UTM-E300                            | UTM-E600                            |  |  |
|-----------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|--|--|
| Max. test force                   | 100kN  | 200kN                               | 300kN                               | 600kN                               |  |  |
| Accuracy class                    | class 0.5  | class 0.5                           |                                     |                                     |  |  |
| Accuracy of test force            | ±0.5% of indicated va  | ±0.5% of indicated value            |                                     |                                     |  |  |
| Range of test force               | 0.2%~100%FS  | 0.2%~100%FS                         |                                     |                                     |  |  |
| Resolution of test force          | 1/500000FS   | 1/500000FS                          |                                     |                                     |  |  |
| Crossbeam displacement accuracy   | ±0.5% of indicated va  | ±0.5% of indicated value            |                                     |                                     |  |  |
| Crossbeam displacement resolution | 0.025µm  |                                     |                                     |                                     |  |  |
| Range of speed adjustment         | 0.001~500mm/min  | 0.001~500mm/min 0.001~250mm/min     |                                     |                                     |  |  |
| Accuracy of crossbeam speed       | ±1% of the set value (speed<0.5mm/min)<br>±0.1% of the set value (speed≥0.5mm/min) |                                     |                                     |                                     |  |  |
| Range of force control speed      | 0.005~5%FS/s   |                                     |                                     |                                     |  |  |
| Accuracy of crossbeam speed       | ±1% of the set value (speed<0.05%FS/s)<br>±0.5% of the set value (speed≥0.05%FS/s) |                                     |                                     |                                     |  |  |
| Compression fixture               | Ø160mm   | Ø160mm Ø150mm Ø200mm                |                                     |                                     |  |  |
| Wedge tension fixture             | flat jaw: 0~20mm<br>V-jaw: Ø8~Ø26mm  | flat jaw: 0~30mm<br>V-jaw: Ø8~Ø36mm | flat jaw: 0~30mm<br>V-jaw: Ø8~Ø36mm | flat jaw: 0~30mm<br>V-jaw: Ø8~Ø46mm |  |  |
| Effective test width*             | 600mm  | 600mm                               | 600mm                               | 750mm                               |  |  |
| Vertical test space *             | 1250mm   | 1000mm                              | 1000mm                              | 1100mm                              |  |  |
| Effective compression height *    | 700mm  | 600mm                               | 600mm                               | 650mm                               |  |  |
| Dimension (W×D×H)                 | 1070×855×2180mm  | 1070×920×2550mm                     | 1070×920×2550mm                     | 1140×1580×2980mm                    |  |  |
| Weight                            | 1000kg   | 1500kg                              | 1500kg                              | 5000kg                              |  |  |
| Power supply                      | AC380V, 3Ø, 50Hz, 2  | kW~5kW                              |                                     |                                     |  |  |

<sup>\*</sup>Can be customized according to test requirements

#### SPECIFICATION OF LARGE DEFORMATION EXTENSOMETER (OPTIONAL)

| Code                      | UTM-EY1                      | UTM-EY2 |  |  |
|---------------------------|------------------------------|---------|--|--|
| Range of deformation      | 10~800mm                     |         |  |  |
| Accuracy of deformation   | ±1%                          |         |  |  |
| Resolution of deformation | 0.01mm 0.004mm               |         |  |  |
| Type of blade             | flat blade                   |         |  |  |
| Range of clamp            | thicknesses<10mm, width<30mm |         |  |  |

#### STANDARD DELIVERY

| Main unit             | 1 pc  |
|-----------------------|-------|
| Control box           | 1 pc  |
| Measuring software    | 1 pc  |
| Computer              | 1 pc  |
| Printer               | 1 pc  |
| Compression fixture   | 1 set |
| Wedge tension fixture | 1 set |

| OF HONAL ACCESSORT             |  |  |  |
|--------------------------------|--|--|--|
| Fixture                        | <b>UTM-F</b> series (customized, selection of specifications according to test requirements) |  |  |
| Extensometer                   | UTM-EX series (customizable)   |  |  |
| Video extensometer             | UTM-M series   |  |  |
| Large deformation extensometer | UTM-EY series (customizable)   |  |  |
| Security door                  | customized, available in plexiglass or wire mesh   |  |  |



large deformation extensometer (optional)



### HIGH AND LOW TEMPERATURE TEST CHAMBERS FOR ELECTRONIC UNIVERSAL TESTING MACHINES





UTT-M63-E50

- For **UTM-E**□□□ electronic universal testing machines
- For tensile, compression, bend, shear tests in high and low temperature environment

#### **SPECIFICATION**

| or Lon ICAH   | •              |   |                                |              |  |
|---|----------------|---|--------------------------------|--------------|--|
|   | for UTM-E10    | UTT-M03-E10   | UTT-M33-E10                    | UTT-M63-E10  |  |
| Code  | for UTM-E50    | UTT-M03-E50   | UTT-M33-E50                    | UTT-M63-E50  |  |
|   | for UTM-E100   | UTT-M03-E100  | UTT-M33-E100                   | UTT-M63-E100 |  |
| Temperature range                                   |                | (room temperature+10)~300°C   | -30~300°C                      | -60~300°C    |  |
| Temperatur  | e accuracy*    | ±1°C  |                                |              |  |
| Temperatur  | e fluctuation* | ±0.5°C  |                                |              |  |
| Temperatur  | e uniformity*  | ≤2°C  |                                |              |  |
| Temperatur  | e resolution   | 0.1°C   |                                |              |  |
| Cooling system Cooling time (room temperature@25°C) |                | no  | cormpressor or liquid nitrogen |              |  |
|   |                | - 110   | 1~2°C/min (no-load)            |              |  |
| Warming up time                                     |                | 1~3°C/min (no-load)   |                                |              |  |
| Temperatur  | e control      | PID automatic temperature control   |                                |              |  |
| Heating sys   | tem            | magnesium powder heating tube   |                                |              |  |
| Aperture siz  | ze             | Ø50mm   |                                |              |  |
| Chamber di  | mension***     | 240×430×530mm (suitable for electronic universal testing machines with column spacing of 400mm and above) |                                |              |  |
| Power supp  | oly            | AC 220V, 60Hz   |                                |              |  |
| Total power   | •              | 1.8kW   | 2.2kW                          | 2.8kW        |  |

<sup>\*</sup>The applicable range of temperature accuracy, uniformity and fluctuation is Ø100×200mm

<sup>\*\*</sup>Customized according to UTM-E\_\_\_ electronic universal testing machine and customer requirements



## VIDEO

### ELECTRONIC UNIVERSAL TESTING MACHINES (ADVANCED TYPE)



wired hand control box (included)



UTM-X010

- Equipped with a variety of test software, can be for metal, ceramics, plastics, rubber and composite materials and other related mechanical properties of the test and research
- Can be used for research and quality control of mechanical properties of various products such as mechanical parts, electronic parts, food packaging materials, chemical fibres, films, new energy batteries and so on
- The rigidity of the host, loading speed and load, deformation measurement accuracy, data reliability, adoption rate and closed-loop control rate are excellent



test and calibration interface





fully automatic
extensometer (optional)
(class 0.5 high-precision
fully-automatic
extensometer with a wide
measuring range for
automatic testing and full
strain measurement)



compression fixture (optional)



security door (optional)



tensile fixture (optional)

To be continued



#### Continued from previous page



high and low temperature environment box (optional)



constant temperature and humidity box (optional)



high temperature furnace (optional)



high precision axial extensometer (optional) (a variety of scales can be selected to fully meet the requirements of variety of materials, the accuracy meets class 0.5)



width gauge (optional) (widely used for r-value and poisson's ratio measurements, meets the requirements of ASTM E517 and IS010113)

#### **SPECIFICATION**

| SPECIFICATIC                                    | /IN                                     |                                       |                 |                          |                            |                          |                 |  |
|---|---|---------------------------------------|-----------------|--------------------------|----------------------------|--------------------------|-----------------|--|
| Code  |   | UTM-X001                              | UTM-X005        | UTM-X010                 | UTM-X050                   | UTM-X100                 | UTM-X300        |  |
| Max. test for                                   | ce                                      | 1kN 5kN 10kN 5                        |                 | 50kN                     | 100kN                      | 300kN                    |                 |  |
| Accuracy cla                                    | ss                                      | class 0.5                             |                 |                          |                            |                          |                 |  |
| Accuracy of                                     | test force                              | ±0.5% of indicated value              |                 |                          |                            |                          |                 |  |
| Range of tes                                    | t force                                 | 0.2%~100%FS                           |                 |                          |                            |                          |                 |  |
| Test force re                                   | solution                                | 0.002N                                | 0.02N           | 0.02N                    | 0.2N                       | 0.2N                     | 0.5N            |  |
| Crossbeam o                                     | lisplacement accuracy                   | ±0.1% of indicated value              |                 |                          |                            |                          |                 |  |
| Crossbeam o                                     | lisplacement resolution                 | 0.1µm                                 |                 |                          |                            |                          |                 |  |
| Velocity accu                                   | ıracy                                   | ±0.1% of indicated value              |                 |                          |                            |                          |                 |  |
| Range of spe                                    | ed adjustment                           | 0.001~1000mm/min 0.001~800mm/min 0.00 |                 | 0.001~500mm/min          |                            |                          |                 |  |
| Effective test                                  | width                                   | 420mm 600mm                           |                 |                          |                            |                          |                 |  |
| standard model                                  |   | 1200mm                                |                 | 1255mm                   |                            | 1450mm                   |                 |  |
| Vertical test space heightened 250mm (optional) |   | 1450mm                                |                 | 1505mm                   |                            | 1700mm                   |                 |  |
| ориос   | heightened 500mm (optional)             | 1700mm                                |                 |                          | _                          | _                        |                 |  |
| D:  | standard model                          | 748×582×16                            | 600mm           |                          | 1100×724×2160mm            |                          | 1180×756×2440mm |  |
| Dimension<br>(W×D×H)                            | heightened 250mm (optional)             | 748×582×18                            | 350mm           |                          | 1100×724×2410mm            |                          | 1180×756×2690mm |  |
| (**************************************         | heightened 500mm (optional)             | 748×582×21                            | 100mm           |                          | _                          |                          |                 |  |
|   | standard model                          | 160kg                                 |                 |                          | 610kg                      |                          | 965kg           |  |
| Weight  | eight heightened 250mm (optional) 185kg |                                       | 660kg 1015kg    |                          | 1015kg                     |                          |                 |  |
|   | heightened 500mm (optional)             | 210kg –                               |                 |                          | _                          |                          |                 |  |
| Power supply                                    | ′                                       | AC220V, 50Hz, 1kW                     |                 | AC380V, 3Ø,<br>50Hz, 4kW | AC380V, 3Ø,<br>50Hz, 4.5kW | AC380V, 3Ø,<br>50Hz, 6kW |                 |  |
| Environment                                     | requirements                            | temp: 5~40°                           | c, humidity lev | vel: 5~85%RH             | l, non-condensi            | ng no vibration          |                 |  |

#### STANDARD DELIVERY

| Main unit   | 1 pc |
|-------------|------|
| Control box | 1 pc |
| Computer    | 1 pc |
| Software    | 1 pc |
| Printer     | 1 pc |

| OPTIONAL ACCESSORY                        |              |
|---|--------------|
| Security door *                           |              |
| Fixture*                                  |              |
| Extensometer *                            |              |
| Width gauge *                             | customizable |
| High temperature furnace*                 |              |
| Constant temperature and humidity box *   |              |
| High and low temperature environment box* |              |
| 4.  |              |

<sup>\*</sup>Selection of specifications according to test requirements

# +INSIZE+

## VIDEO

#### **ELECTRONIC UNIVERSAL TESTING MACHINES**

#### computer and software (included)



- Applicable to metal, non-metal and composite materials for tensile, compression, bending and other mechanical properties test analysis and analytical research
- Automatically obtain the maximum force, breaking force, yield strength, upper and lower yield strength, tensile strength, compressive strength, elongation at break, tensile modulus of elasticity, bending modulus of elasticity and other test data
- Test standards and test parameters can be managed and imported or exported test standards
- Overload emergency shutdown protection device, up and down travel limit protection device
- Crossbeam movement collision mitigation function



UTM-Z500

#### **SPECIFICATION**

| Code                            | UTM-Z50          | UTM-Z500                  | UTM-Z1000 | UTM-Z2000 | UTM-Z5000 |  |
|---------------------------------|------------------|---------------------------|-----------|-----------|-----------|--|
| Max. test force*                | 50N              | 500N                      | 1000N     | 2000N     | 5000N     |  |
| Accuracy class                  | class 0.5        | class 0.5                 |           |           |           |  |
| Range of test force             | 0.4%~100%FS      |                           |           |           |           |  |
| Accuracy of test force          | ±0.5% of indicat | ing value                 |           |           |           |  |
| Resolution of test force        | 1/300000FS       |                           |           |           |           |  |
| Accuracy of displacement        | ±0.5% of indicat | ±0.5% of indicating value |           |           |           |  |
| Resolution of displacement      | 0.2µm            | 0.2µm                     |           |           |           |  |
| Range of crossbeam speed        | 0.001~1000mm     | 0.001~1000mm/min          |           |           |           |  |
| Accuracy of crossbeam speed     | ±0.5% of indicat | ±0.5% of indicating value |           |           |           |  |
| Range of force control speed    | 0.05%~10%FS/s    |                           |           |           |           |  |
| Accuracy of force control speed | ±0.5% of indicat | ±0.5% of indicating value |           |           |           |  |
| Effective tensile travel*       | 550mm            | 550mm                     |           |           |           |  |
| Effective compression travel *  | 700mm            | 700mm                     |           |           |           |  |
| Dimension (W×D×H)               | 500×380×1150n    | 500×380×1150mm            |           |           |           |  |
| Power supply                    | AC 220V, 50Hz    |                           |           |           |           |  |
| Weight                          | 100kg            | 100kg                     |           |           |           |  |

#### STANDARD DELIVERY

| Main unit       | 1 pc  |
|-----------------|-------|
| Computer        | 1 set |
| Software        | 1 set |
| Control box     | 1 pc  |
| Tensile fixture | 1 set |

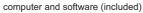
| Fixture*                         |            |
|----------------------------------|------------|
| Extensometer*                    | customized |
| Large deformation extensometer * | Customizeu |
| Security cover *                 |            |

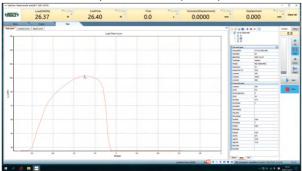
<sup>\*</sup>Can be customized according to test requirements



#### **ELECTRONIC UNIVERSAL TESTING MACHINES**







- For testing and researching the mechanical properties of metals, ceramics, plastics, rubber and composite materials
- For research and quality control of mechanical properties of materials for a wide range of products such as mechanical components, electronic components, food packaging materials, chemical fibres, films and new energy batteries



UTM-S5KA

#### **SPECIFICATION**

| Code                              | UTM-S200A       | UTM-S500A  | UTM-S1KA | UTM-S2KA | UTM-S5KA |
|-----------------------------------|-----------------|--|----------|----------|----------|
| Max. test force                   | 200N            | 500N   | 1kN      | 2kN      | 5kN      |
| Accuracy class                    | class 0.5       | class 0.5  |          |          |          |
| Accuracy of test force            | ±0.5% of indica | ±0.5% of indicated value   |          |          |          |
| Range of test force               | 0.2%~100%FS     | 0.2%~100%FS  |          |          |          |
| Resolution of test force          | 1/500000FS      | 1/500000FS   |          |          |          |
| Crossbeam displacement accuracy   | ±0.5% of indica | ±0.5% of indicated value   |          |          |          |
| Crossbeam displacement resolution | 0.025µm         | 0.025µm  |          |          |          |
| Range of speed adjustment         | 0.001~500mm/i   | 0.001~500mm/min  |          |          |          |
| Accuracy of crossbeam speed       |                 | ±1% of the set value (speed<0.5mm/min)<br>±0.1% of the set value (speed≥0.5mm/min) |          |          |          |
| Range of force control speed      | 0.005~5%FS/s    | 0.005~5%FS/s   |          |          |          |
| Accuracy of constant load force   |                 | ±1% of the set value (speed<0.05%FS/s)<br>±0.5% of the set value (speed≥0.05%FS/s) |          |          |          |
| Vertical test space*              | 1120mm          | 1120mm   |          |          |          |
| Effective compression height *    | 800mm           | 800mm  |          |          |          |
| Dimension (W×D×H)                 | 510×510×1580    | 510×510×1580mm   |          |          |          |
| Weight                            | 150kg           | 150kg  |          |          |          |
| Power supply                      | AC220V, 50Hz    | AC220V, 50Hz, 0.4kW  |          |          |          |

<sup>\*</sup>Can be customized according to test requirements

#### STANDARD DELIVERY

| • .,,                                  |       |  |
|--|-------|--|
| Main unit                              | 1 pc  |  |
| Control box                            | 1 pc  |  |
| Measuring software                     | 1 pc  |  |
| Computer                               | 1 pc  |  |
| Printer                                | 1 pc  |  |
| Compression fixture (except UTM-S200A) | 1 set |  |
| Tension fixture                        | 1 set |  |

| Fixture                        | <b>UTM-F</b> series (customized, selection of specifications according to test requirements) |
|--------------------------------|--|
| Extensometer                   | UTM-EX series (customizable)   |
| Video extensometer             | UTM-M series   |
| Large deformation extensometer | UTM-EY series<br>(customizable, page 948)  |
| Security door                  | customized   |



# VIDEO

#### **HYDRAULIC UNIVERSAL TESTING MACHINES**



UTM-H300B

 For tensile, compression, bend, shear tests of metal and non-metal materials

#### **SPECIFICATION**

| Code                                      |                        | UTM-H300B  | UTM-H600B    | UTM-H1000B   | UTM-H2000B    | UTM-H3000B    |
|---|------------------------|--|--------------|--------------|---------------|---------------|
| Max. test force                           |                        | 300kN  | 600kN        | 1000kN       | 2000kN        | 3000kN        |
| Accuracy                                  |                        | ±1%  |              |              |               |               |
| Test force measurem                       | ent range              | 2%~100%FS  |              |              |               |               |
| Resolution of test for                    | rce measurement        | 1/300000 of Max. test force (same resolution all the way)    |              |              |               |               |
| Deformation measur                        | ement device           | extensoment  |              |              |               |               |
| Deformation measur                        | ement range            | 1%~100%FS  | 1%~100%FS    |              |               |               |
| Deformation measur                        | ement accuracy         | ±1%  | ±1%          |              |               |               |
| Deformation measur                        | ement resolution       | 1/300000   |              |              |               |               |
| Displacement accura                       | ıcy                    | ±1%  |              |              |               |               |
| Displacement resolu                       | tion                   | 0.01mm   |              |              |               |               |
| Displacement travel                       |                        | 200mm  |              |              |               |               |
| Max tensile space (ir                     | cluding piston stroke) | 600mm  | 600mm        | 680mm        | 600mm         | 900mm         |
| Max compression sp (including piston stre |                        | 500mm  | 500mm        | 560mm        | 500mm         | 800mm         |
| Transmission mode                         |                        | chain drive  |              |              |               |               |
| Safety protection dev                     | vice                   | software protection and mechanical limit protection          |              |              |               |               |
| Control function                          |                        | special software, closed-loop of stress, strain and velocity |              |              |               |               |
| Clamping range of ro                      | ound sample            | Ø10~32mm   | Ø13~40mm     | Ø13~60mm     | Ø20~70mm      | Ø25~80mm      |
| Clamping range of flat sample             |                        | 0~15mm   | 0~15mm*      | 0~20mm**     | 0~40mm        | 0~80mm        |
| Upper and lower pressure plate size Ø18   |                        | Ø188mm   | Ø188mm       | Ø208mm       | Ø208mm        | Ø208mm        |
| Bending branch roll                       | width                  | 140mm  |              |              |               |               |
| Total power 2.5k                          |                        | 2.5kW  | 3.0kW        | 3.0kW        | 3.75kW        | 5.5kW         |
| Power supply                              |                        | 380V, 50Hz   |              |              |               |               |
|   | host                   | 800×620×1900   | 820×650×2000 | 940×780×2250 | 1100×760×3000 | 1250×930×3550 |
| Dimension (mm)                            | oil source             | 1140×600×855   |              |              |               |               |
| Weight                                    |                        | 2T   | 2.2T         | 3T           | 7.5T          | 12.6T         |

<sup>\*</sup>Customizable 0~30mm

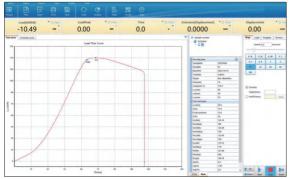
To be continued

<sup>\*\*</sup>Customizable 0~40mm



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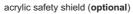
#### computer and software (included)



#### STANDARD DELIVERY

| Main unit                          | 1 pc  |
|------------------------------------|-------|
| Electro hydraulic servo oil source | 1 pc  |
| Electro hydraulic servo valve      | 1 pc  |
| High pressure oil pump             | 1 pc  |
| Oil pressure sensor                | 1 pc  |
| Control box                        | 1 pc  |
| Extensometer                       | 1 pc  |
| Computer                           | 1 pc  |
| Measuring software                 | 1 set |
| Printer                            | 1 pc  |
| Tensile fixture                    | 1 set |
| Compression fixture                | 1 set |







steel wire safety shield (optional)

#### **OPTIONAL ACCESSORY**

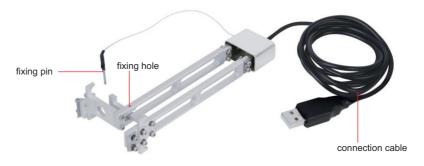
| Acrylic safety shield    | UTM-H-COVER1 |
|--------------------------|--------------|
| Steel wire safety shield | UTM-H-COVER2 |

#### **EXTENSOMETERS**

■ For universal testing machines

#### **SPECIFICATION**

| Code         | Gauge length Deformation                                  |      |  |
|--------------|---|------|--|
| UTM-EX25-5   | 25mm  | 5mm  |  |
| UTM-EX25-10  | 25mm  | 10mm |  |
| UTM-EX25-25  | 25mm  | 25mm |  |
| UTM-EX50-5   | 50mm  | 5mm  |  |
| UTM-EX50-10  | 50mm  | 10mm |  |
| UTM-EX50-25  | 50mm  | 25mm |  |
| UTM-EX100-5  | 100mm   | 5mm  |  |
| UTM-EX100-10 | 100mm   | 10mm |  |
| UTM-EX100-25 | 100mm 25mm  |      |  |
| UTM-EX200-5  | 200mm 5mm   |      |  |
| UTM-EX200-10 | 200mm   | 10mm |  |
| UTM-EX200-25 | 200mm   | 25mm |  |
| UTM-EX-B     | large deformation, customized according to the workpieces |      |  |



UTM-EX50-10