

NEWS

Calibration units for welding equipment mobile calibration/validation and test units

NEWS

- precise measurement results • simple start up and operation • computer aided data acquisition and evaluation

KLS 600 / KLS 1200



KLS 600
optional with trailer and PC box



KLS 1200, in version 1200A



KLS 1200, in version 600A

KLS modular system

With two arc simulators and two different measuring units (boxes), it is possible to make and use any combination of KLS 600 or KLS 1200

Compact calibration unit consists of static arc simulator, with digital meters for voltage and current measurement. Optionally equipped with digital portable tachometer (HT) for measurement of the wire feed speed. This set is suitable for use with welding equipment manufactured in accordance to IEC EN 60974-1.

KLS 600 adjustment allows to measure the range of 6-600A (700 A). KLS 1200: The setting is determined by the parallel use of two modules from 600 to 1200 A (1400 A).

Device technology is suitable for calibration and validation of MIG/MAG, MMA, TIG DC, Plasma, and SAW welding equipment. KLS can be also used for testing of welding equipment. Arc simulator used as load resistance is designed for testing of welding power sources, like heat test and stability testing. This kind of unit is essential for the modern welding equipment service. KLS meets norm requirements for calibration of measuring devices and validation of welding equipment.

Measurements with KLS conform to DIN EN 60974, DIN EN 50504, DIN EN ISO 17662, DIN EN ISO 9001/9002, DIN EN 1090, DIN EN ISO 3834-2, DVS 0714 and DVS 3009th

Technical data

KLS 600:

| | |
|---------------------|--|
| Setting range: | 6-600A (700A peak current) 7 switches with 95 load combinations mechanical range switches, electrical main switch |
| Permitted load: | 500A/100/ duty cycle |
| Cooling: | self air cooled (no fan) |
| Weight: | 30kg |
| Dimensions (LxWxH): | 600x400x450mm (arc simulator) |
| Measuring unit: | KLS 6 DC |
| Digital instrument: | 0-999,9 A DC 0-199,9 V DC |
| Equipment: | Bright, illuminated red LED displays Hold function, run function |
| Accuracy class: | +/- 0,5% |
| Dimensions: | 275x175x65mm |

KLS 1200

| | |
|---------------------|--|
| Setting range: | 6-1200A (1400A peak current) 14 switches with >200 load combinations mechanical range switches, remote for power switch |
| Permitted load: | 1000A/100/ duty cycle |
| Cooling: | self air cooled (no fan) |
| Weight: | 2x30kg |
| Dimensions (LxWxH): | 2x600x400x450mm (arc simulator) |
| Measuring unit: | KLS 12 DC |
| Digital instrument: | 0-1999,9 A DC 0-199,9 V DC |
| Equipment: | Bright, illuminated red LED displays |
| Accuracy class: | +/- 0,5% |
| Dimensions: | 275x175x65mm |

Annual calibration of measuring unit!