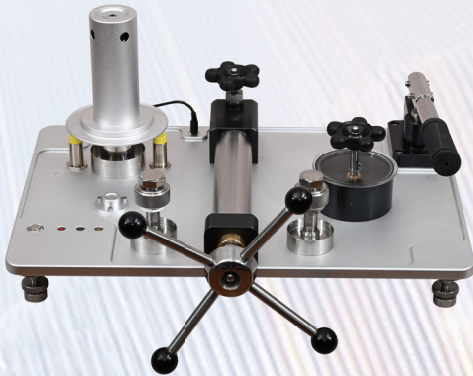


MODEL BL510 PORTABLE DEADWEIGHT TESTER



The model BL510 portable deadweight tester provide a precise means for generating pressure with high accuracy that can be used as a primary calibration standard. The unit's built-in shuttle valve provides the means to control the rate of pressure increase, while precision adjustment is accomplished with an integral micro vernier displacement valve. An ideal product that offers a rugged field ready primary standard, certified to yield consistent accurate results.

FEATURES

- 0.05% of reading
- Accuracy of low limit range keeps same as upper limit range.
- Piston and cylinder is tungsten carbide
- Piston rod is anti-broken structure
- Interchangeable weights
- Compact design and portability
- Positive over-pressure protection
- Local gravity value can be customized.
- Distill water medium is optional.
- Accord with OIML R 110-1994 PRESSURE BALANCE

APPLICATION

- Test and Measurement in field
- Calibration Laboratories

PRESSURE RANGE SELECTABLE SHEET

Part Number	Range (MPa)	Kn value (MPa/kg)	Area (cm ²)	Piston & Bell	Mass Set
KYB0.6	0.04~0.6	0.1	1	400 g	6 kg
KYB1	0.04~1	0.1	1	400 g	10 kg
KYB6	0.1~6	0.5	0.2	400 g	12 kg
KYB25	0.5~25	1	0.1	200 g	25 kg
KYB60	1~60	2	0.05	500 g	30 kg
KYB70	1~70	2	0.05	500 g	35 kg
KYB100	1~100	2	0.05	500 g	50 kg

SPECIFICATIONS

- Accuracy: $\pm 0.05\%$ of reading
- Piston material: Tungsten carbide
- Cylinder material: Tungsten carbide
- Mass set material: Carbon steel, 304SS (optional)
- O-ring material: Buna-N,
- Fluid: Mineral oil; Sebacate ($\geq 25\text{MPa}$); Water (optional)
- Working ambient temperature: 15~25°C
- Pressure connector: M20x1.5, BSP or NPT is optional
- Tester with metal case dimension: 300 x 320 x 260 mm
- Tester with metal case net weight: app.15kg
- Engineering units: MPa, bar, psi, kg/cm²
- Warranty: 2 years for hydraulic base, 5 years for PCU.
- Recalibration interval: 5 years

SCOPE OF DELIVERY

- BL510 Portable deadweight tester with metal carrying case
- Piston cylinder unit
- Mass carrier
- 304 Non-magnetic stainless steel mass set
- Adapter kits (1/4" NPT, 1/2" NPT, 1/4" G, 1/2" G)
- User manual
- Transit case

OPTIONAL ACCESSORIES AND SERVICES

- ISO17025 accredited calibration certificate (P/N: 9100-510)

HOW TO ORDER

- BL510 / pressure range part number / local gravity value