

MODEL BL513 WATER MEDIA DEADWEIGHT TESTER



Oxygen gas is used in a large number of applications throughout the world. The aviation, medical and diving recreation industries use oxygen to enhance breathing while other industries use oxygen in applications such as welding. The use of oxygen poses many dangers and special care and handling need to be taken when using the pressure gauges, regulators and other equipment to keep them free from contaminants.

The model BL513 water deadweight testers are perfect solution for oil and grease free oxygen pressure gauge calibration and measurements.

KEY FEATURES

- Water media
- 0.005%, 0.01%, 0.02%, 0.05% accuracy
- Accuracy of low limit range keeps same as upper limit range
- All wetted parts, specially pressure connections are rinsed with an extractant
- All valves and fittings are cleaned for residual hydrocarbon determination
- High quality needle valves provide optimum control and sealing
- Any accessories are also cleaned and inspected, usually through an ultrasonic method immersed in the solvent.

APPLICATION

- Calibration of oil grease free pressure gage
- Chemical, pharmaceutical, aviation industry

PRESSURE RANGE SELECTABLE SHEET

Part #	Range	Accuracy	Area	Mass
KYS25	(0.5~25)MPa	0.05, 0.02, 0.01	0.1 cm ²	25 kg
KYS60	(1~60) MPa	0.05, 0.02, 0.01	0.05 cm ²	30 kg
KYS70	(1~70) MPa	0.05, 0.02, 0.01	0.05 cm ²	35 kg
KYS100	(1~100)MPa	0.05, 0.02, 0.01	0.05 cm ²	50 kg

SPECIFICATIONS

- Accuracy: 0.05%, 0.02%, 0.01%, 0.005% (customize)
- Piston material: Tungsten carbide
- Cylinder material: Tungsten carbide
- Mass material: 304 stainless steel
- Hydraulic base material: Stainless steel
- Seal material: Buna-N, Cu Alloy
- Medium: Deionized water
- Gravity: Standard 9.80665 m/s², or customize local gravity.
- Pressure units available: MPa, bar, psi (optional)
- Pressure connector: Metric, (NPT and BSP is optional)
- Base dimension: 225 mm (H) x 455 mm (L) x 380 mm (D)
- Base weight: Appro.20kg

SCOPE OF DELIVERY

- BL513 Water deadweight tester base
- Piston cylinder unit
- Mass carrier plate
- 304 stainless steel mass set
- Adapter kits
- User manual
- Transit case

OPTIONAL ACCESSORIES AND SERVICES

- ISO17025 accredited calibration certificate (P/N:9000-513)
- Trim mass set (P/N: F2-500GSET-304)
- Trim mass set (P/N: F1-500GSET-316)
- Forged 316 stainless steel mass set (P/N: MS-316)

HOW TO ORDER

- BL513 / pressure range part number / accuracy/ gravity