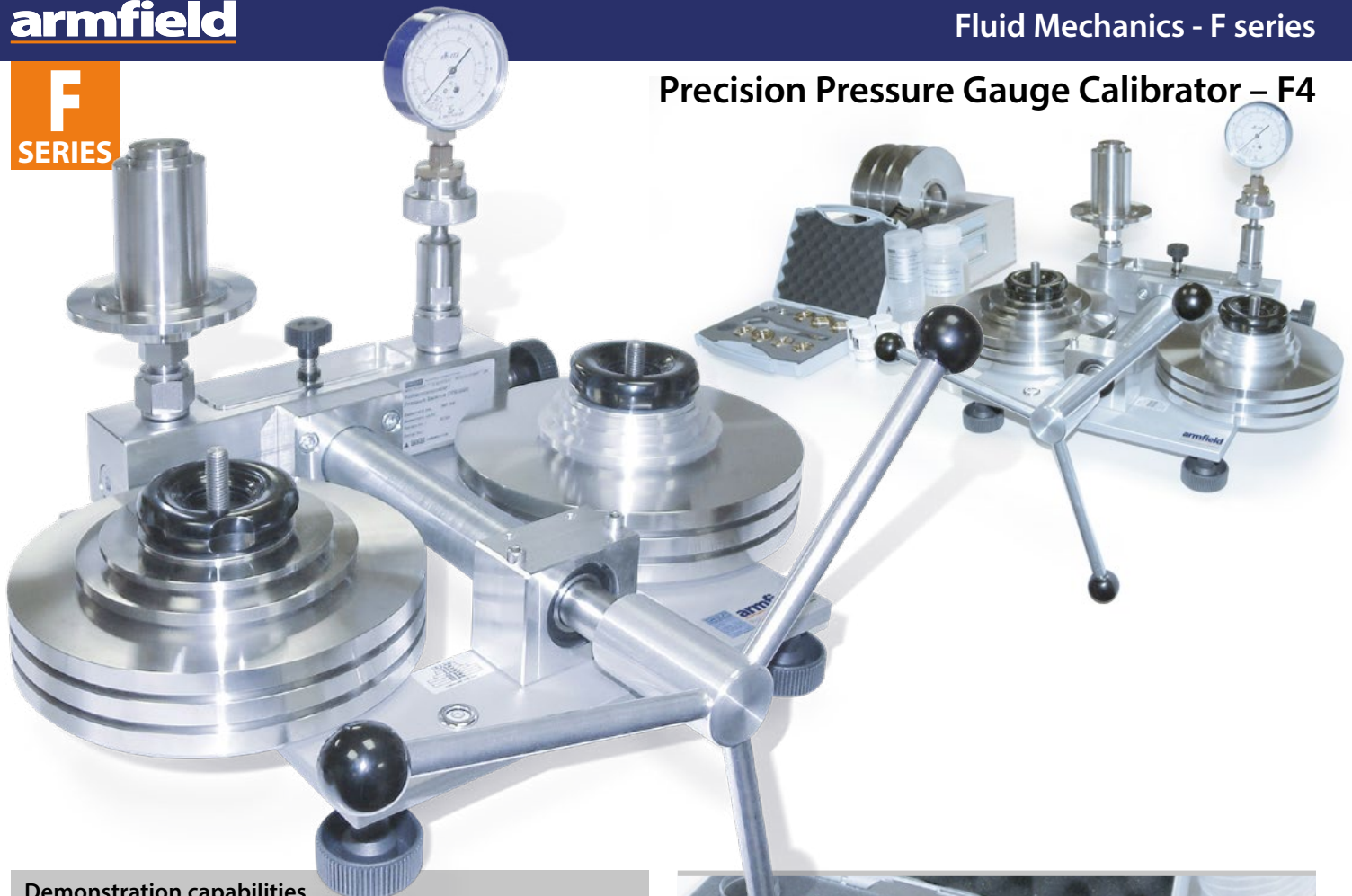


Precision Pressure Gauge Calibrator – F4



Demonstration capabilities

- ▶ The direct measurement of pressure ($p=F/A$)
- ▶ Masses added are proportional to the target pressure
- ▶ Calibration of pressure gauges by deadweight method to an accuracy better than 0.025% of reading
- ▶ Dual pistons allow calibration over a wide range of pressures

Description

Deadweight testers are the basic primary standard used worldwide for the accurate calibration of pressure gauges, pressure transducers etc. The equipment is self-contained and portable, so it may be used in lecture theatre demonstrations or as a master calibrator for the laboratory. The instrument combines a low and high pressure range provided by two pistons of different effective area. Calibration is accurate to within $\pm 0.025\%$ of reading. A laboratory calibration certificate is supplied for each piston together with a traceable certificate of overall accuracy. The pressure in the system is produced by means of a capstan-operated hydraulic ram, balanced by a deadweight acting upon a piston of known area. Oil is used as the hydraulic fluid. The pressure developed is applied to the gauge that is to be calibrated. A spirit level and adjustable feet are provided to enable the operator to level the instrument. A flotation indicator mounted on the top plate removes the guesswork when floating the piston. The instrument is supplied complete with necessary weights and a fitted carrying case. 1/8", 1/4, 3/8", 1/2" BSP and NPT female adaptors are included together with spare seals and a quantity of oil.



F4 - NPT female adaptors are included

Overall dimensions

Length	0.43m
Width	0.28m
Depth	0.22m

Dimensions

	Weights	Base
Length	0.40m	0.401m
Width	0.31m	0.397m
Depth	0.31m	0.155m

Packed and crated shipping specifications

Volume	0.5m ³
Gross weight	85kg

Ordering Code

F4

UK office - email: sales@armfield.co.uk tel: +44 (0) 1425 478781 (for ROW)
USA office - email: info@armfield.inc tel: +1 (609) 208-2800 (USA only)