

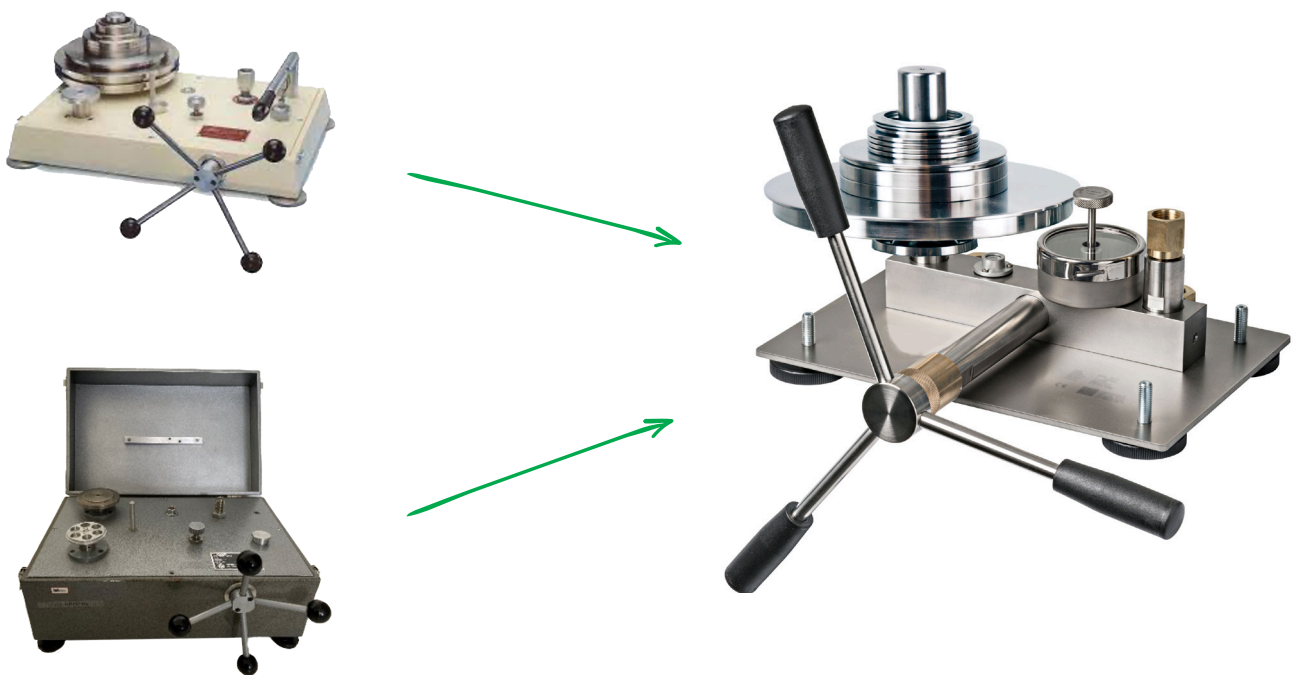
# Deadweight tester upgrade kits

## MNR-710-XX

### EXTEND THE LIFETIME OF YOUR CALIBRATED DEADWEIGHT TESTER

The piston-cylinder system is the heart of your deadweight tester and the key to its performance. Most industrial deadweight tester are going out of service due to worn out mechanical parts like the pump, adaptors and test connections. Therefore Minerva offers upgrade kits to rebuild your existing deadweight tester into a new and reliable product. The advantages are:

- Reduced investment for extending high accuracy capability for many years
- Maintain historical data of years of calibration of your piston-cylinders and mass set
- Total refurbishment for lifetime extension in short turn around time



### Transform your old deadweight tester into new

Many users of industrial deadweight testers are satisfied with the accuracy and stability of their existing instruments. The piston-cylinders of these deadweight testers are often made of tungsten-carbide and hardly show any wear or tear.

The other mechanical part are often worn out by many years of use.

## UPGRADED, TESTED AND CALIBRATED

You can send your existing deadweight tester to Minerva Metrology & Calibration, and we will take care of the complete upgrade for you. The essential parts of your deadweight tester will be installed on the new platform and tested on its full functionality. The upgraded set will be completed with a calibration certificate for the piston-cylinder and the mass set from the Minerva ISO 17025 accredited calibration lab. Once the unit is back at your lab/workshop you are ready to go for carefree calibration with known calibration history and traceability to national standards.

**The Minerva upgrade kits are available for the following deadweight tester models:**  
*manufactured by Pressurements Ltd. and marketed by GE/Druck and some other companies*

### Oil Operated Models

#### Single Piston Series

Model	Range
M1800	10 to 500 psi (1 to 35 bar)
M4000	40 to 2,000 psi (4 to 140 bar)
M2000/H	100 to 5,000 psi (10 to 350 bar)
M2200/H	200 to 10,000 psi (20 to 700 bar)

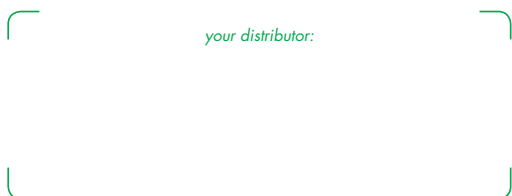
### Water Operated Models

#### Single Piston Series

Model	Range
W1800	10 to 500 psi (1 to 35 bar)
W2000/H	100 to 5,000 psi (10 to 350 bar)
W2200/H	200 to 10,000 psi (20 to 700 bar)

Oil Operated Models	Upgrade ordering code
M1800	MNR-710-M180
M4000	MNR-710-M400
M2000/H	MNR-710-M200
M2200/H	MNR-710-M220
M2800/1H	MNR-710-M280
M2820	MNR-710-M282
Water Operated Models	Upgrade ordering code
W1800	MNR-711-W180
W2000/1H	MNR-711-W200
W2100/1H	MNR-711-W210
W2200/1H	MNR-711-W220

**Contact Minerva for other models and/or manufacturers.**



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