

# hydraulic deadweight tester

# DWT-H3000

Mineral oil operated

Available water operated, max 10000 psi (700 bar)

Primary standard

Ranges from 15 to 2000 psi (1...1400 bar)

Weight flotation reference system

Standard accuracy  $\pm 0,025\%$  of reading

Higher accuracy  $\pm 0,015\%$  of reading

Single or dual piston version

NIST or NAVLAP traceable certificate included



The series H3000 Deadweight Tester provide a high quality precision pressure calibration source for almost every application. The choice of a model series H3000 determines both the uncertainties on the calibration and the ease of use.

## 7.DH3 - Standard Model

**Range:** 15 ... 20000 psi (1 ... 1400 bar).

**Standard accuracy:** 0,025% of reading (Cod. B).

**Higher accuracy:** 0,015% of reading (Cod. A).

**Traceability:** NIST or NAVLAP.

**Weights:** stainless steel, non magnetic.

**Pressure source:** built-in hydraulic hand pump for pressure.

**Fine adjustment :** screw press for fine pressure control.

**Standard corrections:** gravity  $9.80665 \text{ m/s}^2$ ; temperature  $+68^\circ\text{F}$  ( $20^\circ\text{C}$ ); air density  $1.2 \text{ kg/m}^3$  (other values on request).

**Weight tester:** tester 36 lbs (16 kg).

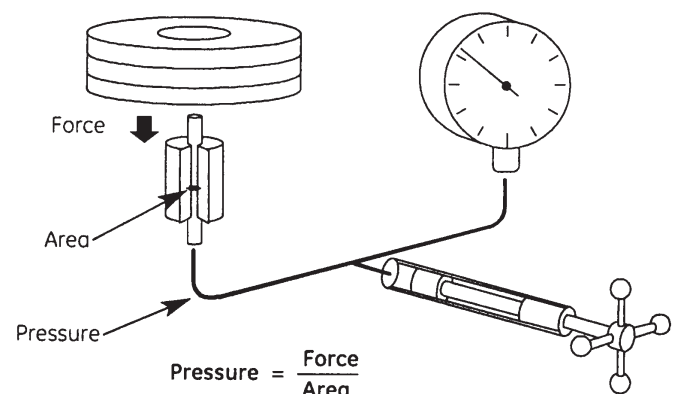
**Mass set weight:** 80 lbs (36 kg).

**Dimensions:** (W x D x H) 17,5 x 12 x 8,5 inc.

(440 x 300 x 215 mm )max

**All testers are supplied with:**

- Certificate of accuracy.
- Operating manual.
- Set of stainless steel weights in carrying case.
- Set of adaptors: 1/8", 1/4", 3/8", 1/2" BSP or NPT.
- Detachable and compact lid for an easy transport.
- 1 litre operating fluid (if oil).



## MODELS AND RANGES

### Single PCU

Model	Range
3111-1	1...35 bar
3111-3	10...500 psi

### Single PCU

Model	Range
3112-1	4...140 bar
3112-3	40...2000 psi

### Single PCU

Model	Range
3113-1	10...350 bar
3113-3	100...5000 psi

### Single PCU

Model	Range
3114-1	20...700 bar
3114-3	200...10000 psi

### Single PCU

Model	Range
3115-1	20...1100 bar
3115-3	200...16000 psi

### Single PCU

Model	Range
3116-1	20...1400 bar
3116-3	200...20000 psi

## OPTIONS

Incremental weights set
Set of NPT adaptors
Set of BSP adaptors
PressCal software datas' correction
Cleantester, diaphragm seal
Distilled water operated (Cod. W)

## "HOW TO ORDER" SEQUENCE

Section / Model / Liquid / Accuracy / Version / Range / Options

7 DH3 O B  
W A

### Dual PCU

Model	Range
3123-1	1...350 bar
3123-3	10...5000 psi

### Dual PCU

Model	Range
3124-1	1...700 bar
3124-3	10...10000 psi

### Dual PCU

Model	Range
3125-1	1...1100 bar
3125-3	10...16000 psi

