

Datos técnicos

Comprobadores hidráulicos de calibración de peso muerto (Operados con aceite): Modelo P3100



Características principales

- La presión alcanza hasta 60,000 psi (4000 bar)
- 0.015 % del estándar de precisión de lectura (0.008 % opcional)
- Formatos de pistón único o doble
- Estándar de bombas manuales integradas
- Nivel de burbuja montado con pies ajustables
- Las unidades se pueden ajustar a la gravedad local FOC

Descripción general del producto: Comprobadores hidráulicos de calibración de peso muerto (Operados con aceite): Modelo P3100

Los modelos P3100 se encuentran disponibles en formatos de pistón individual o doble. Las unidades pueden proporcionarse en psi, bar, kgf/cm² y Mpa. Este resistente instrumento tiene una precisión alta y es rápido y fácil de usar. Las unidades incluyen una bomba de cebado integrada para aplicaciones de gran volumen, indicadores de flotación del pistón y una prensa de tornillo de alta calidad para un control preciso de la presión.

Especificaciones: Comprobadores hidráulicos de calibración de peso

muerto (Operados con aceite): Modelo P3100

| Rangos de presión | |
|---|---|
| Funciona con aceite | Alcanza hasta 20,000 psi (1400 bar) |
| Precisión | |
| Precisión ¹ | ±0.015 % de la lectura (±0.008 % opcional) |
| 1. Precisión basada en el % de lectura de 10 % a 100 % del rango del pistón cuando se usa de acuerdo con las correcciones indicadas en el certificado de calibración. Por debajo del 10 % ± (clase de precisión) x 10 % del rango del pistón. | |
| Materiales de construcción | |
| Material de peso estándar | Acero inoxidable austenítico y diamagnético serie 3 |
| Densidad de peso | 7.8 g/cm ³ |
| Pesos fraccionarios opcionales | Aluminio tratado con calor de solución |
| Densidad de peso | 2.7 g/cm ³ |
| Material del pistón | Carburo de tungsteno con aglutinante de níquel Densidad: 15.0 g/cm ³ |
| Material del cilindro | Acero martensítico endurecido Carburo de tungsteno (agua sobre 500 psi, 35 bar) |
| Coefficientes térmicos de expansión | Pistón/cilindro de aceite 16.5 ppm/ °C Agua (sobre 500 psi, 35 bar) 11 ppm/ °C |
| General | |
| Adaptadores de puerto de prueba | 1/8, 1/4, 3/8 y 1/2 NPT o BSP |
| Peso del instrumento | 36 lb. (16 kg) |
| Tamaño del instrumento (anch. x prof. x alt.) | 17.5 x 12 x 8.5 |
| Peso del conjunto de masas (típico) | 80 lb. (36 kg) |
| Volumen del depósito | 150 cc |
| Desplazamiento de la prensa de tornillo | 5.5 cc |
| Desplazamiento de la bomba | 4.7 cc por carrera |
| Materiales de la junta tórica | Buna N como estándar, Viton y EPDM disponibles |
| Incrementos de peso | |
| Incrementos mínimos del peso estándar | Hasta 500 psi (35 bar): 1 psi (0.1 bar) 500 a 5000 psi (35 a 350 bar): 10 psi (1 bar) 5000 a 20,000 psi (350 a 1400 bar): 20 psi (2 bar) Modelo P3112: 1 psi (0.1 bar) |

| | |
|--------------------------------|---|
| Pesos fraccionarios opcionales | Hasta 500 psi (35 bar): 0,1 psi (0.01 bar) 500 a 5000 psi (de 35 a 350 bar): 1 psi (0.1 bar) 5000 a 20,000 psi (350 a 1400 bar): 2 psi (0.2 bar) |
| Fluido operativo | |
| Aceite mineral | Aceite para husillo Shell 22, nuestra referencia 55-655, viscosidad 40 cs a 20 °C |
| Opciones: | |
| Software PressCal | Programa de software de Windows que permite a los usuarios aplicar fácilmente todas las correcciones necesarias para mejorar el rendimiento del comprobador de peso muerto. Posteriormente, los detalles de calibración se almacenan o se usan para crear automáticamente un certificado de calibración. PressCal se proporciona como estándar con todos los instrumentos de 0.008 %. |
| Fluidos | Se pueden proporcionar instrumentos para su uso con Skydrol o líquidos de freno. Debido a la naturaleza agresiva de estos fluidos, los sellos de nitrilo y el tubo del depósito acrílico estándares se reemplazarán por sellos de Viton o EPDM (según corresponda) y un tubo del depósito de aluminio. Para obtener más información sobre esta o cualquier otra aplicación especial del fluido, consulte al fabricante. |

Modelos



Fluke P3111-2

Fluke Calibration P3111-2 Hydraulic Deadweight Testers
Calibration Hydraulic Deadweight Testers

Includes:

- Hydraulic Deadweight Tester
- Oil operated - single PCU
- Pressure Range 1 to 35 kgf/cm²

Fluke P3111-1

Fluke Calibration P3111-1 Hydraulic Deadweight Testers
Calibration Hydraulic Deadweight Testers

Includes:

- Hydraulic Deadweight Tester
- Oil operated - single PCU
- Pressure Range 1 to 35 bar

Fluke P3111-3

Fluke Calibration P3111-3 Hydraulic Deadweight Testers
Calibration Hydraulic Deadweight Testers

Includes:

- Hydraulic Deadweight Tester
- Oil operated - single PCU
- Pressure Range 10 to 500 psi

Fluke P3111-4

Fluke Calibration P3111-4 Hydraulic Deadweight Testers
100 to 3,500 kPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3111-5

Fluke Calibration P3111-5 Hydraulic Deadweight Testers
0.1 to 3.5 MPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3112-1

Fluke Calibration P3112-1 Hydraulic Deadweight Testers
4 to 140 bar

Includes:

- Hydraulic Deadweight
 - Oil operated - single PCU
-

Fluke P3112-2

Fluke Calibration P3112-2 Hydraulic Deadweight Testers
4 to 140 kgf/cm²

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3112-3

Fluke Calibration P3112-3 Hydraulic Deadweight Testers
40 to 2,000 psi

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3112-4

Fluke Calibration P3112-4 Hydraulic Deadweight Testers
400 to 14,000 kPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3112-5

Fluke Calibration P3112-5 Hydraulic Deadweight Testers
0.4 to 14 MPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3113-1

Fluke Calibration P3113-1 Hydraulic Deadweight Testers
10 to 350 bar

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3113-2

Fluke Calibration P3113-2 Hydraulic Deadweight Testers
10 to 350 kgf/cm²

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3113-3

Fluke Calibration P3113-3 Hydraulic Deadweight Testers
100 to 5,000 psi

Includes:

- Hydraulic Deadweight
 - Oil operated - single PCU
-

Fluke P3113-4

Fluke Calibration P3113-4 Hydraulic Deadweight Testers
1,000 to 35,000 kPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3113-5

Fluke Calibration P3113-5 Hydraulic Deadweight Testers
1 to 35 MPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3114-1

Fluke Calibration P3114-1 Hydraulic Deadweight Testers
20 to 700 bar

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3114-2

Fluke Calibration P3114-2 Hydraulic Deadweight Testers
20 to 700 kgf/cm²

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3114-3

Fluke Calibration P3114-3 Hydraulic Deadweight Testers
200 to 10,000 psi

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3114-4

Fluke Calibration P3114-4 Hydraulic Deadweight Testers
2,000 to 70,000 kPa

Includes:

- Hydraulic Deadweight Tester

- Oil operated - single PCU
-

Fluke P3114-5

Fluke Calibration P3114-5 Hydraulic Deadweight Testers
2 to 70 MPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3115-1

Fluke Calibration P3115-1 Hydraulic Deadweight Testers
20 to 1,100 bar

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3115-2

Fluke Calibration P3115-2 Hydraulic Deadweight Testers
20 to 1,100 kgf/cm²

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3115-3

Fluke Calibration P3115-3 Hydraulic Deadweight Testers
200 to 16,000 psi

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3115-4

Fluke Calibration P3115-4 Hydraulic Deadweight Testers
2,000 to 110,000 kPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3115-5

Fluke Calibration P3115-5 Hydraulic Deadweight Testers
2 to 110 MPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3116-1

Fluke Calibration P3116-1 Hydraulic Deadweight Testers
20 to 1,400 bar

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3116-2

Fluke Calibration P3116-2 Hydraulic Deadweight Testers
20 to 1,400 kgf/cm²

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3116-3

Fluke Calibration P3116-3 Hydraulic Deadweight Testers
200 to 20,000 psi

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3116-4

Fluke Calibration P3116-4 Hydraulic Deadweight Testers
2,000 to 140,000 kPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3116-5

Fluke Calibration P3116-5 Hydraulic Deadweight Testers

2 to 140 MPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - single PCU
-

Fluke P3123-1

Fluke Calibration P3123-1 Hydraulic Deadweight Testers
1 to 350 bar

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3123-2

Fluke Calibration P3123-2 Hydraulic Deadweight Testers
1 to 350 kgf/cm²

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3123-3

Fluke Calibration P3123-3 Hydraulic Deadweight Testers
10 to 5,000 psi

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3123-4

Fluke Calibration P3123-4 Hydraulic Deadweight Testers
100 to 35,000 kPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3123-5

Fluke Calibration P3123-5 Hydraulic Deadweight Testers
0.1 to 35 MPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3124-1

Fluke Calibration P3124-1 Hydraulic Deadweight Testers
1 to 700 bar

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3124-2

Fluke Calibration P3124-2 Hydraulic Deadweight Testers
1 to 700 kgf/cm²

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3124-3

Fluke Calibration P3124-3 Hydraulic Deadweight Testers
10 to 10,000 psi

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3124-4

Fluke Calibration P3124-4 Hydraulic Deadweight Testers
100 to 70,000 kPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3124-5

Fluke Calibration P3124-5 Hydraulic Deadweight Testers
0.1 to 70 MPa

Includes:

- Hydraulic Deadweight Tester

- Oil operated - dual PCU
-

Fluke P3125-1

Fluke Calibration P3125-1 Hydraulic Deadweight Testers
1 to 1,100 bar

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3125-2

Fluke Calibration P3125-2 Hydraulic Deadweight Testers
1 to 1,100 kgf/cm²

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3125-3

Fluke Calibration P3125-3 Hydraulic Deadweight Testers
10 to 16,000 psi

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3125-4

Fluke Calibration P3125-4 Hydraulic Deadweight Testers
100 to 110,000 kPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke P3125-5

Fluke Calibration P3125-5 Hydraulic Deadweight Testers
0.1 to 110 MPa

Includes:

- Hydraulic Deadweight Tester
 - Oil operated - dual PCU
-

Fluke. *Manteniendo su mundo en marcha.*

Fluke Corporation
Everett, WA 98206 EE.UU.

Para obtener información adicional En EE. UU. (800)
443-5853

En Europa/Medio Oriente/África
+31 (0)40 267 5100

En Canadá (800)-36-FLUKE
www.fluke.com

Latin America
Tel: +1 (425) 446-5500
www.fluke.com/es-gt

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