

기술 자료

Fluke Calibration P3100 유압 분동식 압력계



주요 기능

- 압력 범위 60,000psi(4000bar)
- 판독값의 0.015% 정확도 표준(0.008% 옵션)
- 단일 또는 이중 피스톤 형식
- 내장형 핸드 펌프 표준
- 장착형 수평계 및 조정 가능한 피트
- 지역 중력 FOC로 장치를 트리밍할 수 있음

제품 개요: Fluke Calibration P3100 유압 분동식 압력계

P3100 모델은 단일 또는 이중 피스톤 형식으로 사용되어 증가된 작동 범위를 제공합니다. psi, bar, kgf/cm² 및 MPa로 장치를 공급할 수 있습니다. 이 강력한 기기는 매우 정확하고 빠르며 사용하기 쉽습니다. 이 장치에는 대용량 응용 분야를 위한 프라이밍 펌프가 내장되어 있으며, 피스톤 부유 표시기 및 압력 미세 조절용 고품질 스크류 프레스가 있습니다.

제품 사양: Fluke Calibration P3100 유압 분동식 압력계

압력 범위	
오일 작동	범위 20,000psi(1400bar)
정확도	
정확도 ¹	판독값의 ±0.015% 정확도(±0.008% 옵션)

1. 교정 인증서에 있는 보정에 따라 사용할 경우 피스톤 범위의 10%~100%에서 판독값의 %를 기반으로 하는 정확도. 10% ± (정확도 등급) x 피스톤 범위의 10%

구성 재질

표준 중량 재질	시리즈 3 비자성 오스테나이트계 스테인레스 스틸
중량 밀도	7.8g/cm ³
옵션 단편 중량	솔루션 열 처리 알루미늄
중량 밀도	2.7 g/cm ³
피스톤 재질	니켈이 혼합된 텅스텐 카바이드 밀도 - 15.0g/cm ³
실린더 재질	강화 마텐자이트 강 텅스텐 카바이드(500psi, 35bar를 초과하는 물)
열 팽창 계수	오일 피스톤/실린더 16.5ppm/°C 물(500psi, 35bar 초과) 11ppm/°C

일반

테스트 포트 어댑터	1/8, 1/4, 3/8 및 ½ NPT 또는 BSP
장비 중량	16kg(36lb)
장비 크기(W x D x H)	17.5 x 12 x 8.5
질량 세트 중량(일반)	36kg(80lb)
리저버 용량	150cc
스크류 프레스 변위	5.5cc
펌프 변위	스트로크당 4.7cc
O-링 씬 재질	Buna N 표준, Viton 및 EPDM 사용 가능

중량 증분

최소 표준 중량 증분	최대 500psi(35bar): 1psi(0.1bar) 500~5000psi(35~350bar): 10psi(1bar) 5000~20,000psi(350~1400bar): 20psi(2bar) 모델 P3112: 1psi(0.1bar)
옵션 단편 중량	최대 500psi(35bar): 0.1psi(0.01bar) 500~5000psi(35~350bar): 1psi(0.1bar) 5000~2,000psi(350~1400bar): 2psi(0.2bar)

작동 유체

광유	셸 스피들 오일 22, 당사 기준 55~655, 20°C에서 점도 40cs
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옵션

PressCal 소프트웨어	사용자가 분동식 압력계 성능을 개선하기 위해 필요한 모든 보정을 쉽게 적용할 수 있는 Windows 기반 소프트웨어 프로그램입니다. 교정 정보가 저장되며, 교정 인증서를 자동으로 생성하는 데 사용됩니다. PressCal은 모든 0.008% 장비에 표준으로 제공됩니다.
유체	Skydrol 또는 브레이크 유체를 사용하도록 장비를 공급할 수 있습니다. 이러한 유체는 반응성이 높기 때문에 표준 니트릴 씬 및 아크릴 리저버 튜브가 Viton 또는 EPDM 씬(해당되는 대로) 및 알루미늄 리저버 튜브로 대체됩니다. 이러한 응용 분야 또는 기타 특수 유체 응용 분야는 해당 공장에 문의하십시오.

모델



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
-



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