

## PRESS-AIRE™ METER

Model LA-0316

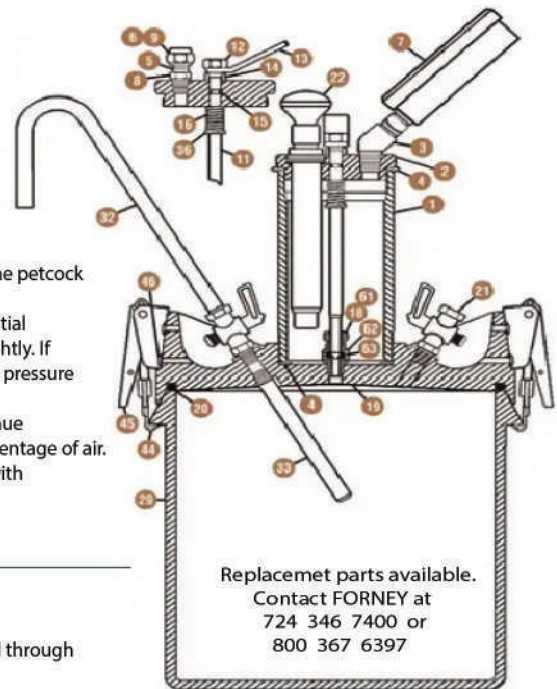


### OPERATING INSTRUCTIONS

1. Fill base with concrete according to ASTM C-231 and strike off. Clean cover and base rim; clamp together.
2. Open petcocks. Use syringe to inject water through one petcock until water is expelled from opposite petcock.
3. Close air bleeder valve on air chamber. Pump up air initial pressure line gauge. Wait a few seconds, tap gauge lightly. If necessary, add or release air to attain reading at initial pressure line. Close petcocks.
4. Press needle valve lever to release air into base. Continue pressing lever and lightly tap gauge. Read direct percentage of air.
5. Thoroughly clean base, cover and petcock openings with running water.

### CALIBRATION INSTRUCTIONS

1. Screw short piece of tubing tightly into petcock hole on underside of cover (note which petcock). Fill base with water. Clamp cover to base.
2. Using syringe, inject water into petcock having short tubing until water is expelled through opposite petcock.
3. pump until gauge reads slightly beyond pre-established initial pressure line (generally 3%). Wait a few seconds. If necessary, pump or bleed-off air to adjust hand to initial pressure line.
4. Close petcocks. Press needle valve lever to release air in to base. Wait a few seconds until gauge hand stabilizes. Gauge should read 0% if initial pressure line was correct. If two or more tests produce consistent variations from 1% change initial pressure line compensate for variation. Use new initial pressure line for subsequent tests.
5. Screw curved tube into petcock having short tubing. Open petcock. Press needle valve lever and fill calibrating vessel.
6. Open opposite petcock allowing water in curved pipe to run back into base. Base now contains 5% air.
7. Pump up air pressure to initial pressure line (3%). Close petcocks. Press needle valve lever. Wait a few seconds for needle to stabilize. Press lever again to release any remaining air. Gauge should now read 5%
8. If two or more test show gauge reads incorrectly at 5% air in excess of .2%, then reset gauge hand by turning recalibrating screw on gauge hand (older meters, screw is on dial face).
9. When gauge hand reads correctly at 5% additional water may be withdrawn in the same manner to check results 10%, 15%, 20%, etc.



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Part	Description	Part Number
1	Pressure Chamber	LA-0316-01
2	Pressure Chamber Cap	LA-0316-02
3	Chamber Elbow	LA-0316-03
4	Chamber Gasket	LA-0316-04
5	Air Bleeder Valve Assembly	LA-0316-05
6	Air Bleeder Valve Cap	LA-0316-06
7	Gauge for Press-Aire Meter	LA-0316-07
8	Air Bleeder Valve Stem	LA-0316-08
9	Air Bleeder Gasket	LA-0316-09
11	Needle Valve Stem	LA-0316-11
12	Needle Valve Nut	LA-0316-12
13	Needle Valve Lever	LA-0316-13
14	Needle Valve Spacer	LA-0316-14
15	Needle Valve O-Ring	LA-0316-15
16	Needle Valve Spring	LA-0316-16
18	Needle Valve Seat	LA-0316-18
19	Lid	LA-0316-19
20	O-Ring Lid Seal	TM-0330
22	Super Pump	LA-0316-22
29	Base-.25 cu ft (7.1 L)	LA-0316-29
32	Calibration Tube,Outside Bent	LA-0316-32
33	Calibration Tube,Inside Straight	LA-0316-33
36	Needle Valve Stem O-Ring	LA-0316-36
44	Latch Clamp Tap	LA-0316-44
45	Latch Assembly for Lid	LA-0316-45
46	Pan Hd Screw, HD # 10 x 1/2 in	LA-0316-46
61	5/15 in WB Nut	LA-0316-61
62	5/15 in x 1/8 in Adapter	LA-0316-62
63	O-Ring, Needle Valve	LA-0316-63



C S T INSTRUMENTS(THAILAND)LTD.,PART.

95 Romkloa Road,  
Klongsam-Praves,  
Ladkrabang, Bangkok  
Tel.02-915-1693-5

Dealer