

## DATA SHEET

### Air entrainment meters

EN 12350-7 | ASTM C231 | AASHTO T152

#### GENERAL DESCRIPTION

##### Introduction

The EN and ASTM standards describe two methods for the determination of air content of compacted fresh concrete: Water column type (eg. Our model 54-C0170/L) and Pressure gauge type (eg. our models 54-C0170/F 7 litres cap. and 54-C0170/D 8 litres cap). The air content is a very important parameter for the behaviour of concrete to weathering and to verify the air content variation due to the use of chemical additives to increase the workability of concrete. All models utilize the principle of Boyle's law.

##### Description

##### 54-C0170/L Water column type, 5 l cap.

The water column type consists essentially of a stainless steel flanged cylindrical vessel with cover assembly, incorporating the measuring cylinder, pressure gauge and valves. Supplied complete with hand pump and calibration cylinder apparatus which is essential for adjustment to site barometric pressure.

The cylindrical vessel of all models can also be used as unit weight measure for fresh concrete for density determination.

##### 54-C0170/F Pressure gauge type, 7 l cap

##### 54-C0170/D Pressure gauge type, 8 l cap

The gauge meter models consists essentially of a flanged cylindrical vessel , complete with cover assembly incorporating a pressure gauge, air pump and valves. They feature:

- Faster testing: fewer pump strokes
- Quick action clamping system
- Lightweight, durable and compact
- Not affected by changes in barometric pressure
- Direct pressure gauge readings

### TECHNICAL SPECIFICATIONS

Models 54-	C0170/L	C0170/F	C0170/D
Capacity l	5	7	8
Air content range	0-10%	0-15%	0-10%
Graduations	0.1%	0.1% up to 6% and 0.2% from 6 to 8% and 0.5% from 8 to 15%	0.1% up to 8% and 0.5% over
Weight approx., kg	14	10	12

## DATA SHEET

### ORDERING INFO

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**54-C0170/D**

Air entrainment meter, pressure gauge type, 8 l cap.

**54-C0170/F**

Air entrainment meter, pressure gauge type, 7 l cap.

**54-C0170/L**

Air entrainment meter, water column type, 5 l cap., complete with calibration cylinder apparatus.

### ACCESSORIES

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**54-C0170/D1**

Filling ring for 54-C0170/D



54-C0170/L Shown on the right side the calibration cylinder apparatus which is essential for adjustment to site barometric pressure.



54-C0170/F



54-C0170/D