

Air Entrainment

The determination of air content of freshly made concrete is detailed in EN 123450 and ASTM C236, where the importance of two main applications is highlighted. The primary purpose of entraining air in concrete is to give the required resistance to weathering. The use of chemical additives to increase the workability of concrete often requires an air content check to be made.

Precision Air Entrainment Meter

EN 12350-7; ASTM C231

- **7 litre capacity**
- **Shock-proof pressure gauge mounting**
- **Lightweight aluminum construction**
- **Heavy-duty plastic carrying case for easy transport to site**

The proper control of entrained air in concrete is recognized as one of the most important functions in modern concrete manufacture. To the concrete engineer and technician, the ELE Precision Air Entrainment Meter offers an instrument for use in the testing and designing of concrete mixes.

The instrument is designed so that the operating parts form an integral unit. The container is rigid, thus providing an accurate device for the performance of unit weight testing. For convenience, the tare weight in grams is stamped on the bottom. When used with the supplied nomograph, the air meter provides quick and easy particle density and percent of free moisture in aggregate determinations.

The meter has a multi-range feature to accurately measure entrained air up to 22%.

The ELE Precision Air Entrainment Meter is supplied complete with straight edge, syringe and carrying case.

Specification

| | |
|-----------------------|---|
| Dimensions | 248 x 337 mm (diameter x height) |
| Capacity | 7 litres |
| Readings | Up to 22 % entrained air |
| Accuracy | ± 0.25 % full scale |
| Aggregate size | 50 mm maximum |
| Container | With tare weight stamped on bottom; 2-piece clamping device for positive seal |
| Pressure gauge | In shock-proof mounting |
| Weight | 6.8 kg |

Ordering Information

EL34-3265
Precision Air Entrainment Meter, Type B

Accessories

EL34-2910

Tamping Rod steel, 600 mm x 16 mm (length x diameter), see EL34-0130

Compacting Bar steel, 380 x 25 mm (length x square) tamping area, BS 1881. Weight 1.8 kg



EL34-3265 Type B Air Entrainment Meter

Concrete Air Indicator

Combining convenience and simplicity of operation, the Concrete Air Indicator is ideally suited for field checks of the air content of every batch of fresh concrete. 160 mm long, the indicator requires the use of Isopropyl Alcohol to determine air content.

EL34-3280
Concrete Air Indicator Weight 1.8 kg

Note: Isopropyl Alcohol required but not supplied by ELE.

EL34-3280 Concrete Air Indicator

