

DIRECTIONS FOR USE

CHASE AIR INDICATOR A1100

- Fill cup with cement mortar paste, excluding particles larger than #10. Use a narrow blade such as a small knife to pick up mortar. Rod material in cup to compact the mortar. Strike off excess material level with top of cup.
- Insert cup assembly in glass tube. Using plastic bottle, squeeze isopropyl alcohol into tube through stem until liquid is at the top line.
- Place finger over stem opening to prevent loss of liquid and roll indicator from side to side gently to dissolve all mortar from cup into alcohol.
- Place indicator in an upright position on a level surface and count the number of spaces the liquid has dropped in the stem. If the sample taken represents a mix containing 15 cubic feet of mortar paste (water, air, cement and fine aggregate) the number of spaces represents the actual percent of air in one cubic yard of concrete. For other proportions use conversion table.
- Do not hold glass tube any longer than necessary or allow to stand in sun as heat may cause the alcohol to rise giving an erroneous reading.
- Wash and clean all parts promptly with water and brush.

CONVERSION TABLE

For following mortar contents per cubic yard multiply the stem reading by the following constants.

10	c.f.	by	0.67
11	*	*	0.73
12	*	*	0.80
13	*	*	0.86
14	*	*	0.93
15	*	*	1.00
16	*	*	1.07
17	*	*	1.13
18	*	*	1.20
19	*	*	1.26
20	*	*	1.33
21	*	*	1.39
22	*	*	1.46
23	*	*	1.52
24	*	*	1.59
25	*	*	1.66
26	*	*	1.72
27	*	*	1.78

******Always refer to ASTM for the latest changes or revisions in this procedure.**