

EXHIBITORS

SECTION



GAMMA INSTRUMENT COMPANY

# SNOW DENSITY GAGE ADIRONDACK TYPE

## For Measuring Water Content of Snow

Currently used by the National Weather Service, this gage is useful in predicting how much water will accumulate in flood-prone areas when snow melts.

The fiberglass tube is 5 ft. long, 3 inches O.D. by 2.8 inches I.D. A specially constructed stainless steel serrated cutter with an I.D. of 2.655 inches is fitted to one end of the tube. These inside dimensions are scaled to measure accurately in inches of water. The tube is graduated on the outside from 0 to 60 inches in 1 inch divisions and numbered every 5 inches. This tube is supplied with a removable wooden dowel handle which may be used for turning. The cutting edge of the tube is protected by a cork, which fits into the cutter when not in use.



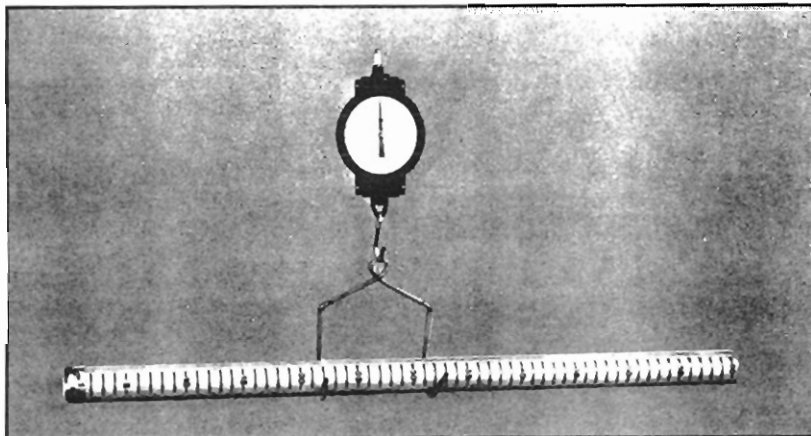
The spring scale incorporates precision springs which are temperature compensated and is specially calibrated to read directly in inches of water. The scale is equipped with a brass cradle for weighing the fiberglass tube.

### INSTRUCTIONS FOR USE:

Note the weight of the empty fiberglass tube with cutting edge, but without cork. Insert the tube to the maximum depth of the snow to be measured and make note of the depth as indicated by the outside graduations. Withdraw the tube from the snow and place horizontally on the cradle of the scale and weigh. The difference between the weight of the tube filled with snow and the weight of the empty tube represents the equivalent water content of the snow, reading in inches of water.

### REPLACEMENT PARTS:

- Graduated Fiberglass Tube 5 ft. long. (English or Metric Dimensions)
- Stainless Steel Serrated Cutter (with screws)
- Scale calibrated in inches of water (also available in metric)
- Brass Cradle (with protective non-slip covering).
- Waterproof Dowel Handle.
- Protective Cork



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## HANDBOOK OF SNOW

Principles, Processes, Management and Use

Edited by D M GRAY & D H MALE, University of Saskatchewan, Saskatoon

The only comprehensive, fully-illustrated handbook on the physical principles and management of snow, snowfall and snowcover.

Snow is a precious resource as well as a potential calamity. With its arrival, modes of travel, working and living are suddenly transformed. The HANDBOOK OF SNOW is the first textbook to offer students and professionals the practical information and techniques they need concerning snow.

An Outstanding Academic Book 1982/83

"A valuable reference...there is no other work where so much information on snow, its origin, distribution, and impact is available.

### CHOICE

"...could be subtitled "Almost Everything You Wanted to Know About Any Possible Practical Aspect of Snow". The book, engineered by a committee of the National Research Council of Canada, consists of a series of individual chapters written by a wide variety of authors and will tell you which gases absorb onto snow crystals, how snow ridging will influence your crop yield, how to keep your railroad switches clear, how long the studs on your snow tires will last, and the composition of your cross-country klister wax (did you know that early recipes for ski wax included bacon rind, old bicycle tires, and gramophone records?)...The organizers, editors, and authors involved in the project are to be commended.

### ARCTIC

"The book can be well recommended to the general reader in Canada especially since snow is a coast-to-coast phenomenon, and the reader is bound to find several aspects of interest to him. For the educator, the text could well provide an excellent base for several courses in "natural science" especially since each chapter has an extensive bibliography which can serve to extend the studies outlined therein. Insofar as physical scientists are concerned, the astute reader can find a number of suggestions for further applied research in almost every chapter.

### PHYSICS IN CANADA

No other book offers the complete coverage of practical information the HANDBOOK OF SNOW does.

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