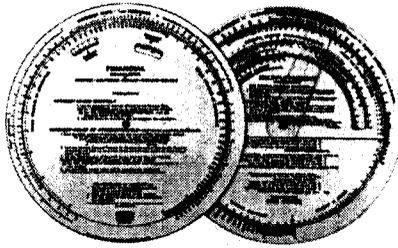# GENERAL SCIENTIFIC & MATHEMATICAL

## FINANCIAL CALCULATOR
## Model M.23

A remarkable instrument for business, purchasing, investment, costing, and accounting calculations and decisions. A fraction of the size and cost of electronic versions. By a simple setting of two dials, it answers such questions as:

–Pay cash for new equipment? –Borrow from a bank?
–Lease?
–Value of equipment after any number of years of depreciation?
–Actual interest rate of various transactions?
–Future value of a current investment?
–Present value of future profits of income?

### Leasing-Mortgage Transactions
The calculator gives the weekly, monthly, or yearly repayment necessary allowing for compound interest on the outstanding balance. It indicates the actual compound interest included in such transactions, enabling decisions to be made as to whether bank or other forms of lending are more economical.

### Discounted Cash Flow
It gives the present value of any sum to be received in the future such as:
A) How much is regular repayment of X dollars per month over Y years worth as a lump sum today allowing for compound interest?
B) What is the present worth of X dollars profit next year, Y dollars the year after, and Z dollars in the third year?

### Investment
Tells in a similar manner, the growth rate of any sum at compound interest (added weekly, monthly, quarterly, or yearly) and the final sum accumulated. Also, the sum accumulated from regular investment for any period of time at any compound interest rate.

### Depreciation
It gives the written-down value or any equipment after any period and any rate of depreciation.
**7-5/8" Diameter**

### Hunter Products Inc.
**792 Partridge Drive**
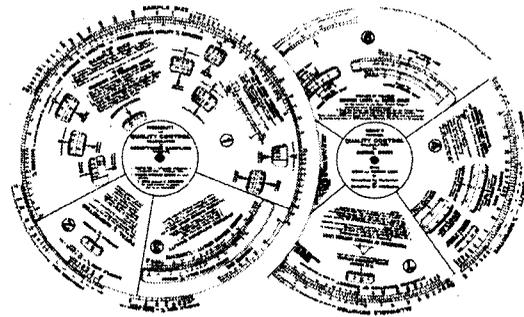**Post Office Box 6795**
**Bridgewater, New Jersey 08807**
## Phone: "TOLL FREE" 1-800-524-0692
### Fax: 1-908-526-8348
### E-mail: hunter@eclipse.net

## PROBABILITY & STATISTICAL QUALITY CONTROL CALCULATOR     Model M.17

This instrument solves quickly and accurately the statistical calculations involved in setting up methods for the control of quality of goods received and quality in batch and mass production. It is divided into seven sections dealing with POISSON PROBABILITIES, ACCEPTANCE SAMPLING METHODS, OUTGOING QUALITY, QUALITY CONTROL CHARTS, SAMPLING BY ATTRIBUTES, SAMPLING BY VARIABLES, AND NORMAL PROBABILITIES. The Poisson Probability section can be used for a wide range of other statistical calculations besides those involved in quality control.

*Poisson Multi-Event Probabilities* If an event is known to happen on say 3% of all occasions, it will be expected to happen 1½ times in 50. Actually it can only occur 0, 1, 2, 3, or 4, etc. times and Poisson Probabilities show the probability of it occuring 0, 1, 2, 3, or 4 etc. times for any particular expectation (in this case the expectation is 1½). This very comprehensive section of the calculator gives the Poisson Cumulative Probabilities for up to 20 occurrences, by simply setting the arrow to the Expectation. The answers are read off much more conveniently, accurately and quickly than with conventional charts.

*Acceptance Sampling Methods* Provides a scientific basis for accepting or rejecting a product by checking samples instead of entire batch, and the Poisson Probability section enables the sampling size, the acceptable number of defectives and the risk involved in accepting below average quality to be determined. In addition, it gives the risk of rejecting good material and enables the Operating Characteristics Curve to be plotted.

The most economical method requiring the least amount of inspection is found from Section 2 and the average outgoing quality of the finished product from Section 3. In addition, this instrument calculates statistical control chart limits, when sampling by attributes or variables. Finally, the Normal Probability section gives areas under the Normal Probability Curve so that knowing the standard deviations of the product from the sampling sections, the percentage falling outside any set of limits can be found. It can be used for many probability calculations where the Normal Distribution is applicable.
This instrument is an absolute essential for Quality Control departments and other statistical workers.
Engraved in three colors.

**7-5/8" Diameter**