

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

PRECISION PYRO PYROMETERS

the PYRO MICRO -



Table-Top Tripod

- Versatile
- Accurate
- Portable
- Direct Reading
- Fool Proof
- Dependable

PYRO is proud to announce the development of the new PYRO Micro-Optical Pyrometer—an entirely new type of Optical Pyrometer—designed particularly for precision temperature measurements in the laboratory, yet sufficiently portable to permit use in general plant applications.

It is capable of measuring temperatures of targets smaller than .001″ in diameter and can be adjusted for focal distances varying from 5 inches to infinity. Sturdy table and floor type tripods are available and the vernier worm gears permit extremely sensitive vertical and horizontal adjustments of the telescope. The fine optical system includes a microscope-type ocular giving a 20 power magnification of the object. A disappearing filament type lamp offers a sharp, distinct apex which can be blended with the hot object with extreme ease and sensitivity. The wide-scale direct reading meter is a suppressed zero type permitting the full use of the entire scale length and is unsurpassed in accuracy.

The new PYRO Micro-Optical Pyrometer offers the ultimate in design, accuracy and application – it is indispensable in critical research and production temperature control.

OUTSTANDING FEATURES

ACCURACY: Accuracy has been the "key" word throughout the design and production of the new PYRO Micro-Optical Pyrometer. Temperature measurements are reproducible within two or three degrees Centigrade, and every instrument is calibrated individually against standards provided by the National Bureau of Standards.

EASE OF OPERATION: Operating procedure for using the PYRO Micro-Optical Pyrometer is extremely simple and requires no previous experience. Complete instructions are furnished with each instrument, and the entire unit can be assembled and ready for use within minutes.

DEPENDABILITY: Extensive and severe tests have proven that this instrument can be expected to give many years of durable and dependable service. The long direct reading scale assures easy and dependable temperature readings. Every instrument is manufactured under the highest degree of craftsmanship and is fully guaranteed.

VERSATILITY: The PYRO Micro-Optical Pyrometer is the one instrument ideally suited to solving the most precise temperature measurement problems in exacting research laboratories, yet is extremely practical for plant applications. It is truly the only multi-purpose Optical Pyrometer.

OPTICAL PYROMETER

Unsurpassed accuracy

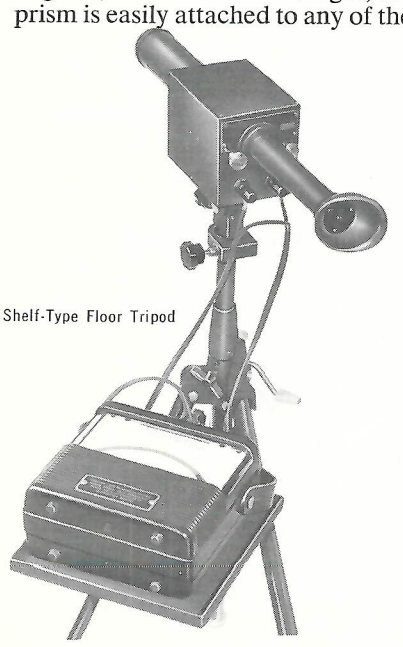
ACCESSORIES AND TECHNICAL DATA

SUPPLEMENTARY LENSES: A complete set of six interchangeable magnifying lenses is available for the measurement of targets at focal distances from 5″ to infinity. Each lens is furnished in appropriately engraved mountings and, listed below, are found the focal lengths of each lens as well as data on the respective target sizes which may be measured at given distances. The set of six lenses is furnished in a separate plush-lined case.

Lens Code	Focal Distance	Object Size at Focal Distance
A	5 feet to Infinity	.015″ at 5 Ft. or .025″ at 10 Ft.
B	26″ to 54″	.010″ at 36″
C	17″ to 26″	.006″ at 24″
D	13½″ to 17½″	.004″ at 15″
E	8″ to 9″	.002″ at 8″
F	5″ to 5.6″	.001″ at 5½″

SPECIAL LENSES: For the measurement of a target size of .0005″ at a focal distance of 2.3″ to 2.5″ a special "G" lens is available. Other special lenses with intermediate focal distances are available on special request.

90 DEGREE SIGHTING PRISM: A special prism is available when the measurement requires a change in direction of 90 degrees, either from left to right, or from above or below. This prism is easily attached to any of the standard or special lenses without the use of tools.



Shelf-Type Floor Tripod

TRIPODS: A sturdy-table-top tripod, shown on page 4, is furnished as standard equipment and permits adjustment of the telescope from 14″ to 17″ above the table. It collapses and fits into a special compartment in the carrying case provided for the instrument. The Shelf-Type Floor Tripod, illustrated, is designed especially for use with the PYRO Micro-Optical Pyrometer. It is collapsible, chrome-plated, and adjustable between 3 feet and 6 feet. The meter of the instrument is placed on the shelf and the battery is accommodated by means of a strap beneath the shelf.

Collapsible aluminum and iron base floor tripods without a shelf are available also and can be adjusted for heights from 3 feet to 6 feet.

SPECIAL TEMPERATURE RANGES: Instruments with special temperature ranges to 4,000°, 4,500°, and 5,000°C are available upon special request. External filters and comparative charts will permit extended temperature ranges to 6000° C and 10,000° C.

For additional information ask for Catalog No. 96

SPECIFICATIONS AND PRICE

PYRO Micro-Optical Pyrometers are available in complete sets with all accessories, or may be purchased as individual parts with selected accessories. For complete details, including itemized prices, please request Catalog No. 96. Specifications for the complete set are as follows:

MODEL NO. 95: PYRO Micro-Optical Pyrometer Set, Triple Range, complete with Telescopic Type Disappearing Filament Pyrometer with vernier horizontal and vertical adjusting gears, direct reading milliameter with overlapping black-body scales from 700-1400°C, 1300-1900°C and 1800°-3200°C (or equivalent Fahrenheit scales), table-top tripod, complete set of six mounted auxiliary objective lenses, compartment case for lenses, battery, spare fuses, instruction manual and plush lined carrying case for the instrument and all accessories itemized.

Price:
$895.00



Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP