

WILSONWERKS ARCHIVES

This camera manual is for reference and historical purposes, all rights reserved.

This cover page is copyrighted material. This document may not be sold or distributed without the express consent of the publisher.

©2008-2012 wilsonwerks Llc

Honeywell Pentax

Honeywell Pentax

CAMERAS, LENSES AND ACCESSORIES





TABLE OF CONTENTS	PAGE
Honeywell Pentax Spotmatic F	2
Honeywell Pentax ES II	5
Honeywell Pentax SP 1000	6
Honeywell Pentax 6 x 7	7
The Anatomy of a Honeywell Pentax ..	8
Super-Multi-Coated Takumar Lenses ..	10
Exposure Meters	18
Filters, Lenshoods, Camera Cases ..	19
Close-up Accessories	20
Miscellaneous Accessories	24

The Standard of Excellence

Honeywell Pentax SPOTMATIC F

Newest of the Honeywell Pentax cameras, the Spotmatic F continues the famous, classically compact Pentax design for handling ease. Its refinement is wide-open metering for faster, easier composing. When used with most Super-Multi-Coated Takumar lenses, no more stopping down to set exposures. No more dim viewing at small apertures. Just focus, center the needle and shoot. This internal refinement is part of the Spotmatic F's full-format integrating metering system that's right on target for the vast majority of shooting conditions. It measures light over the entire picture area and averages it for your best exposure. And, if composing time allows, you can still stop down with the Spotmatic F for a depth-of-field preview.

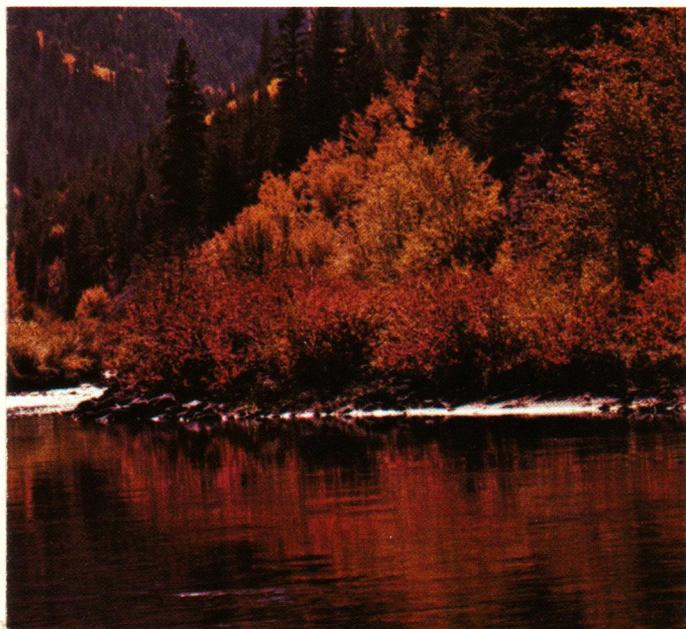
For top performance and great results, combine this metering system with a superior multi-layer coated lens. With any of 24 Super-Multi-Coated lenses available for the Spotmatic F, you can shoot or take strongly backlit pictures without worrying about flare or ghost images. You'll get sharp, crisp pictures with true color and more detail under conditions you wouldn't attempt with other cameras. (For more information on Super-Multi-Coated lenses, see page 12.)

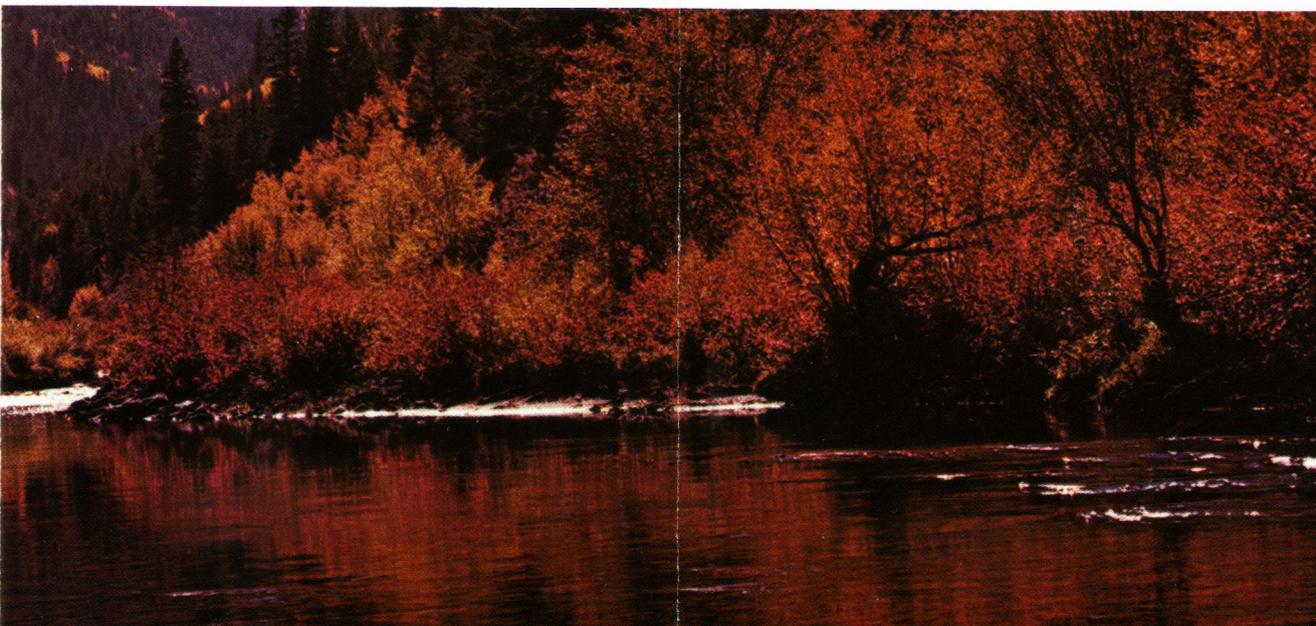
Other features include shutter release lock; extended 20 to 3200 ASA range; self-timer; FP and X sync PC terminals; 20/36 exposure reminder dial, hotshoe.

Cat. No. **7191** Satin chrome Honeywell Pentax Spotmatic F with 55mm f/1.8 Super-Multi-Coated Takumar lens \$379.00

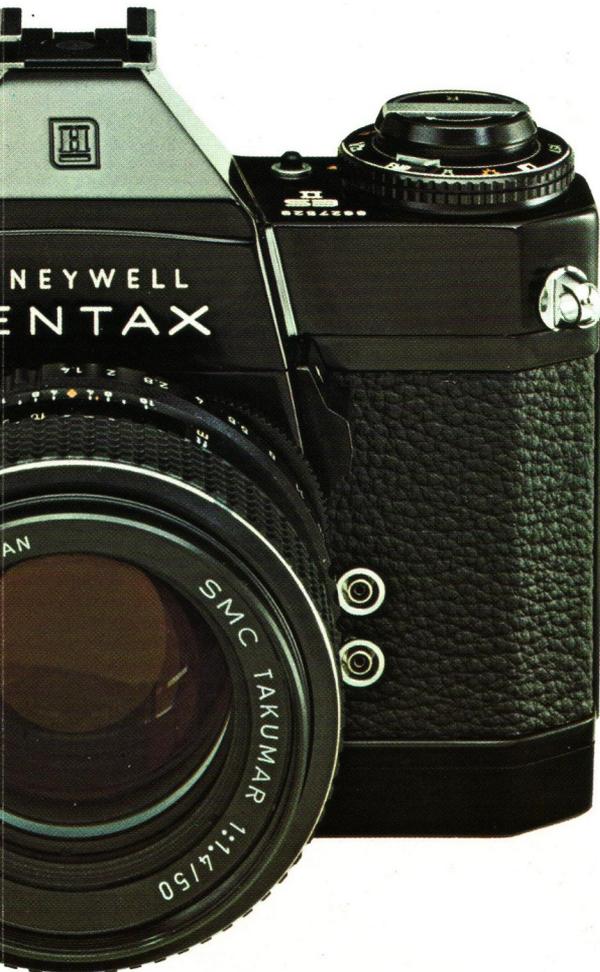
Cat. No. **7193** Satin chrome Honeywell Pentax Spotmatic F with 50mm f/1.4 Super-Multi-Coated Takumar lens \$429.00

Cat. No. **7192** Satin black Honeywell Pentax Spotmatic F with 50mm f/1.4 Super-Multi-Coated Takumar lens (Price and availability to be announced.)









For Photo Perfectionists

Honeywell Pentax ES II

The Pentax ES was the world's first 35mm SLR with a fully automatic electronic shutter system. The second generation ES II brings further refinements to this revolutionary system.

You simply focus and shoot. The patented Pentax memory device computes and delivers an infinite number of shutter speeds between 8 and 1/1000 second — automatically. If 1/555 second will give you the right exposure, that's what you get.

No needles to match. No time-consuming computing of exposure when your subject moves from sunlight to shadow. So fast and easy that even a beginner can take great pictures.

Because the automation is built into the body of this camera, no special lenses are needed. You can use any of the Takumars you already own or any of the 24 flare-taming Super-Multi-Coated Takumars now available. Extension tubes, microscopes and special macro lenses can also be used automatically.

And there are plenty of built-in creative options. For special effects, you can automatically program for under- or over-exposure. Or you can override the automation completely by flipping the dial to manual.

Be assured the Pentax engineers didn't let automation compromise the classic Pentax styling and "feel." All electronic elements are tucked neatly into the camera's baseplate. As a result, the ES II is less than one-quarter inch taller and only six ounces heavier than the Spotmatic F.

Other fine features on the ES II include: Self-timer, FP or X sync PC terminals; battery check; rapid rewind lever; X sync hot shoe; and a special screen that closes off viewfinder during those situations where light entering the viewfinder could adversely effect the meter.

Cat. No. **7186** Satin black Honeywell Pentax ES II with 55mm f/1.4 Super-Multi-Coated Takumar lens . . \$649.50

Cat. No. **7187** Satin black Honeywell Pentax ES II with 55mm f/1.8 Super-Multi-Coated Takumar lens . . \$599.50

Cat. No. **7188** Satin black Honeywell Pentax ES II body . . \$489.50

Cat. No. **7182** Satin black Honeywell Pentax ES with 55mm f/1.4 Super-Multi-Coated Takumar lens . . \$624.50

Cat. No. **7185** Satin black Honeywell Pentax ES with 55mm f/1.8 Super-Multi-Coated Takumar lens . . \$574.50



The Start of Something Big
Honeywell Pentax
SP 1000



If you have an eye for great results, but your budget is a bit on the slim side, then this is a camera you should consider.

It offers classic Pentax craftsmanship and design, plus most of the features of the Spotmatic — at a lower price. Its full-format through-the-lens metering system makes good exposures fast and easy. And Super-Multi-Coated Takumar lenses that deliver sharp, bright results in the most difficult lighting situations. Trim styling, conveniently located controls, precise handling and the naturally good “feel” unmistakably identify this camera as a member of the Honeywell Pentax Family.

The special SP 1000 includes: eye-level pentaprism finder with Fresnel lens; 20 to 1600 ASA range; auto-reset counter; ratchet film-advance lever; X, FP flash terminals and 55mm f/2.0 Super-Multi-Coated Takumar lens. Top shutter speed is 1/1000 and there is no self-timer.

Cat. No. **7169** Special Honeywell Pentax SP 1000 with 55mm f/2.0 Super-Multi-Coated Takumar lens, satin chrome finish\$319.00

The Pro's Choice
Honeywell Pentax 6x7

Eye-level handling ease, plus 50 percent more useable negative than 2¼ square is what you get with the 6 x 7 ideal format Pentax. Composing is done with the camera, not by time-consuming and expensive cropping.

It uses 120 or 220 roll film giving 10 or 21 exposures. An electronically-timed focal plane shutter assures you of accurate shutter speeds up to 1/1,000 second.

The 6 x 7 is a true systems camera providing the versatility of eleven Super Takumars — this format's only Fish-Eye to a fast 800mm f/4. It handles beautifully on location, as well as in the studio.

Other features include: bright, fine-lined, double Fresnel screen that lets you zero in sharply even at the outer picture area; removable eyepiece for correction lenses; 120/220 reminder window that automatically tells you which pressure plate setting you're using; auto-reset counter; X, FP flash terminals; and dual bayonet lens mounts — inner bayonet for lenses up to 300mm; outer bayonet for longer.

Cat. No. **7201** 6 x 7 Camera Body \$599.50

Cat. No. **7210** Pentaprism \$170.00

Cat. No. **7511** Folding Hood \$57.00

Cat. No. **7223** 75mm f/4.5 Super-Multi-Coated Takumar 6 x 7 \$325.00

Cat. No. **7226** 105mm f/2.4 Super-Multi-Coated Takumar 6 x 7 \$389.50

Through-the-Lens Meter Pentaprism

Expand the abilities of your Pentax 6x7 by attaching this new metering pentaprism finder to the camera body. Then read your light measurement through the viewfinder window. Works with fully automatic diaphragm lenses at full aperture and with manual diaphragm lenses and accessories at stopped-down apertures. Operates on the battery already in camera body.

Cat. No. **7211** Meter Pentaprism \$349.50

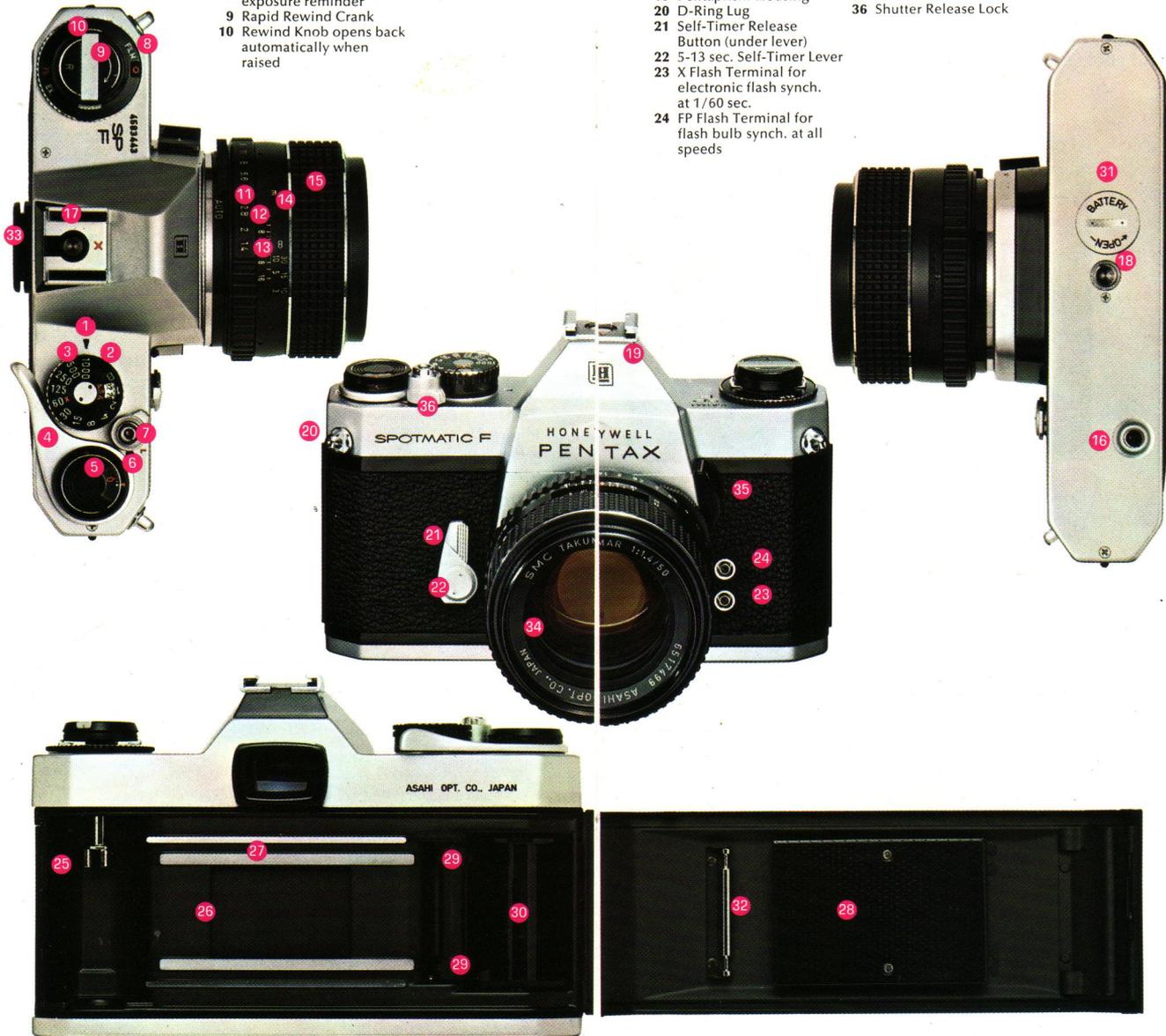


The Anatomy of a Honeywell Pentax A detailed look at the Spotmatic F

Although controls and features differ somewhat from camera to camera, all Honeywell Pentax SLR's feature the classic design and clean styling of the Spotmatic F.

- 1 Shutter Speed Index
- 2 Shutter Speed Dial Settings for Bulb, Electronic Flash, 1 to 1/1000 sec.
- 3 Film Speed Setting from ASA 20-3200
- 4 Ratchet-type Rewind Lever advances film and cocks shutter
- 5 Exposure Counter automatically resets when back is opened
- 6 Cocked Indicator shows red when shutter is cocked
- 7 Shutter Release Button threaded for use with cable release
- 8 Film type and 20 or 36-exposure reminder
- 9 Rapid Rewind Crank
- 10 Rewind Knob opens back automatically when raised

- 11 Diaphragm Ring for selecting aperture settings from f/1.4 to f/16 (f/1.8 to f/16 on f/1.8 model)
- 12 Depth-of-field Scale
- 13 Diaphragm and Distance Index Mark
- 14 Distance Scale in feet and meters
- 15 Focusing Ring
- 16 Rapid Rewind Release Button
- 17 Hot Shoe receptacle with "hot" flash contact
- 18 Tripod Mounting Receptacle
- 19 Pentaprism Housing
- 20 D-Ring Lug
- 21 Self-Timer Release Button (under lever)
- 22 5-13 sec. Self-Timer Lever
- 23 X Flash Terminal for electronic flash synch. at 1/60 sec.
- 24 FP Flash Terminal for flash bulb synch. at all speeds
- 25 Film Cassette Chamber
- 26 Focal Plane Shutter Curtains of special rubberized silk
- 27 Extra Wide Film Rail for flat film travel
- 28 Film Pressure Plate
- 29 Film Sprockets
- 30 Sure-load takeup spool
- 31 Mercury Battery to power exposure system
- 32 Film retainer roller
- 33 Viewfinder, Frame accepts eyepiece accessories
- 34 Super-Multi-Coated lens
- 35 Depth-of-field preview lever
- 36 Shutter Release Lock



Super-Multi-Coating

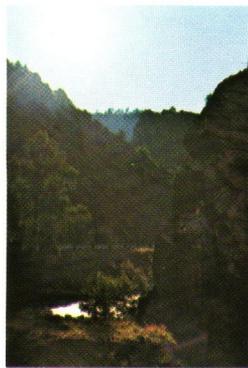
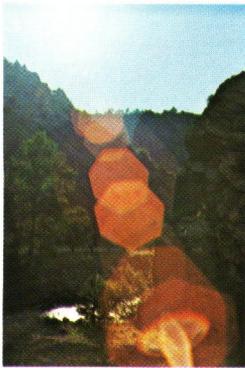
Why Takumar Lenses deliver the sharpest, brightest, most vibrant results

Each pair of unretouched photos below was shot by the same photographer, at the same location, at the same time. Photos on the left were shot with one of the finest conventionally coated lenses available. Photos on the right demonstrate the clearcut superiority of Super-Multi-Coated Takumar lenses.

This exclusive coating — developed for spacecraft windows and precision optical machines — reduces internal reflections to as low as 0.2% per air-to-glass surface. As a result, more light is transmitted to your film. Flare, fog and ghost images are virtually eliminated. Image contrast

is greatly improved, even in detail areas. Color balance is also improved since transmission is more even over the visible light spectrum.

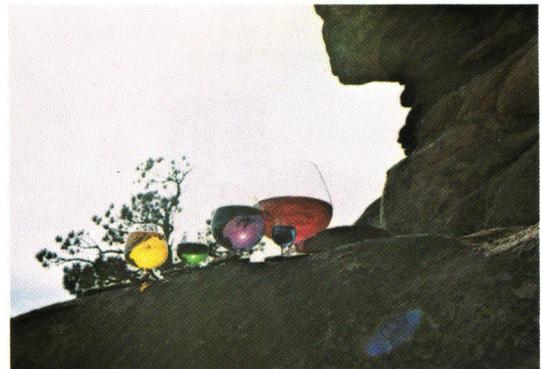
No conventionally coated lens in the world can match the performance of a Super-Multi-Coated Takumar. Shoot toward the sun or reflective surfaces. Take strongly backlit photos. Tackle the really tough lighting situations. If your lens is a Super-Multi-Coated Takumar, you can expect crisper detail, sharper contrast and more vibrant color.



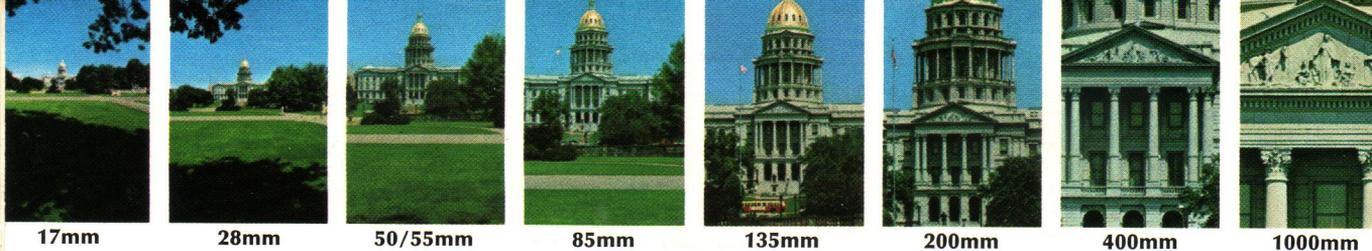
REDUCED FLARE AND GLARE



MUCH SHARPER DETAIL



MORE VIBRANT COLOR



A Full System of Quality Lenses
27 interchangeable Super-Multi-Coated Takumars for every special effect

There is virtually no limit to the photographic effects you can achieve with this full system of interchangeable lenses. The series of photographs above shows the relative angle of view of lenses in just a few of the many focal lengths available. All pictures were shot from the same location — only the lenses were changed.

Asahi Optical Company has been producing fine photographic lenses since 1932. Painstaking hand craftsmanship, the highest quality raw materials and the most advanced technological know-how are combined in the manufacture of each Super-Multi-Coated Takumar.

All mechanical components are precision machined to microscopic tolerances. Specially lubricated, wear-resistant metals assure consistently accurate apertures year after year. Screw mounts are the most precise method of holding a lens firmly in place. Perfectly matched threaded mountings on Super-Multi-Coated Takumars make changing lenses quick and easy — even in the dark.

To protect the fine optics, each lens is supplied with a front and rear cap. Most are also equipped with lens-hoods and rugged leather carrying cases. These important items are included in the price of the lens.



17 17mm Super-Multi-Coated Takumar f/4.0; Fully automatic; 11 elements; Minimum aperture f/22; Minimum focus 7.9 in.; 160° angle of view; Weight 7.4 oz.; Length 1.25 in.; UV, Y2, and O2 filters built-in; Case; Cat. No. **7251**
 \$319.50

20 20mm Super-Multi-Coated Takumar f/4.5; Fully automatic; 11 elements; Minimum aperture f/16; Minimum focus 7.8 in.; 94° angle of view; Weight 8.1 oz.; Length 1.75 in.; Filter size — 77mm; case and lenshood; Cat. No. **7252**
 \$299.50

24 24mm Super-Multi-Coated Takumar f/3.5; Fully automatic; 9 elements; Minimum aperture f/16; Minimum focus 10 in.; 84° angle of view; Weight 8.7 oz.; Length 1.8 in.; Filter size — 58mm; case and lenshood; Cat. No. **7253**
 \$269.50

28 28mm Super-Multi-Coated Takumar f/3.5; Fully automatic; 7 elements; Minimum aperture f/16; Minimum focus 15.75 in.; 75° angle of view; Weight 7.3 oz.; Length 1.7 in.; Filter size — 49mm; case and lenshood; Cat. No. **7254**
 \$199.50

35 35mm Super-Multi-Coated Takumar f/2.0; Fully automatic; 8 elements; Minimum aperture f/16; Minimum focus 15 in.; 63° angle of view; Weight 8.5 oz.; Length 2.1 in.; Filter size — 49mm; case and lenshood; Cat. No. **7255**
 \$269.50

35 35mm Super-Multi-Coated Takumar f/3.5;
Fully automatic; 5 elements;
Minimum aperture f/16;
Minimum focus 1.5 ft.;
63° angle of view;
Weight 5.3 oz.; Length 1.33 in.;
Filter size — 49mm; case;
Cat. No. **7256**
\$149.50

50 50mm Super-Multi-Coated Takumar f/1.4;
Fully automatic; 7 elements;
Minimum aperture f/16;
Minimum focus 1.5 ft.;
46° angle of view;
Weight 8.1 oz.; Length 1.5 in.;
Filter size — 49mm; no case;
(Standard lens for Spotmatic F and ES II)
Cat. No. **7249**
\$160.00

50 50mm Super-Multi-Coated
Macro-Takumar f/4.0;
Fully automatic; 4 elements;
Minimum aperture f/22;
Minimum focus 9.5 in. (.5 magnification);
46° angle of view;
Weight 8.2 oz.; Length 2.1 in.;
Filter size — 49mm; case;
Cat. No. **7258**
\$189.50

55 55mm Super-Multi-Coated Takumar f/2.0;
Fully automatic; 6 elements;
Minimum aperture f/16;
Minimum focus 1.5 ft.;
43° angle of view;
Weight 7.1 oz.; Length 1.5 in.;
Filter size — 49mm; no case;
(Standard lens for SP 1000)

55 55mm Super-Multi-Coated Takumar f/1.8;
Fully automatic; 6 elements;
Minimum aperture f/16;
Minimum focus 1.5 ft.;
43° angle of view;
Weight 7.1 oz.; Length 1.5 in.;
Filter size — 49mm; no case;
(Standard lens for Spotmatic F and ES II)
Cat. No. **7250**
\$110.00

85-210 85-210mm Super-Multi-Coated
Zoom-Takumar f/4.5;
Fully automatic; 11 elements;
Minimum aperture f/22;
Minimum focus without close-up
attachment lens 11.5 ft., with close-up
attachment lens 6.2 ft.;

28.5°-11.5° angle of view;
Weight 24.9 oz.; Length 8.7 in.;
Filter size — 58mm; case, lenshood,
Close-up attachment lens;
Cat. No. **7261**
\$549.50

85 85mm Super-Multi-Coated Takumar f/1.8
Fully automatic; 6 elements;
Minimum aperture f/16;
Minimum focus 2.75 ft.;
28.5° angle of view;
Weight 12.3 oz.; Length 2.3 in.;
Filter size — 58mm; case and lenshood;
Cat. No. **7248**
\$264.50

100 100mm Super-Multi-Coated
Bellows-Takumar f/4.0;
Preset; 5 elements;
Minimum aperture f/22;
Minimum focus 6 in. from lens rim with
Auto-Bellows;
24.5° angle of view;
Weight 5 oz.; Length 1.4 in.;
Filter size — 49mm; case and lenshood;
Cat. No. **7264**
\$184.50

100 100mm Super-Multi-Coated Macro
Takumar f/4.0;
Fully automatic; 5 elements;
Minimum aperture f/22;
Minimum focus 18 in. (½ x magnification);
24.5° angle of view;
Weight 13 oz.;
Filter size — 49mm; lenshood and case;
Cat. No. **7270** \$264.50

105 105mm Super-Multi-Coated Takumar f/2.8;
Fully automatic; 5 elements;
Minimum aperture f/22;
Minimum focus 4 ft.;
23° angle of view;
Weight 9.9 oz.; Length 2.5 in.;
Filter size — 49mm; case and lenshood;
Cat. No. **7265**
\$194.50

120 120mm Super-Multi-Coated Takumar f/2.8;
Fully automatic; 5 elements;
Minimum aperture f/22;
Minimum focus 5 ft.;
20° angle of view;
Weight 11.9 oz.; Length 2.9 in.;
Filter size — 49mm; case and lenshood;
Cat. No. **7262**
\$209.50

135 135mm Super-Multi-Coated Takumar f/3.5;
Fully automatic; 4 elements;
Minimum aperture f/22;
Minimum focus 4 ft.;
18° angle of view;
Weight 12.4 oz.; Length 3.5 in.;
Filter size — 49mm; case and lenshood;
Cat. No. **7266**
\$179.50

135 135mm Super-Multi-Coated Takumar f/2.5;
Fully automatic; 5 elements;
Minimum aperture f/22;
Minimum focus 5 ft.;
18° angle of view;
Weight 15.8 oz.; Length 3.2 in.;
Filter size — 58mm; case and lenshood;
Cat. No. **7267**
\$239.50

135-600 135-600mm Super-Multi-Coated
Zoom Takumar f/6.7;
Click-stop diaphragm; 15 elements
Minimum aperture f/45;
Minimum focus
without close-up attachment lens, 20 ft.;
with close-up attachment lens, 11 ft.
4°-18° angle of view;
Weight 8.9 lbs.
Filter size — 49mm (rear filter)
Lenshood and close-up attachment lens;
Cat. No. **7272**
\$1995.50

150 150mm Super-Multi-Coated Takumar f/4.0;
Fully automatic; 5 elements;
Minimum aperture f/22;
Minimum focus 6 ft.;
16.5° angle of view;
Weight 11.4 oz.; Length 3.75 in.;
Filter size — 49mm; case and lenshood;
Cat. No. **7268**
\$209.50

200 200mm Super-Multi-Coated Takumar f/4.0;
Fully automatic; 5 elements;
Minimum aperture f/22;
Minimum focus 8 ft.;
12.5° angle of view;
Weight 19.7 oz.; Length 5.4 in.;
Filter size — 58mm; case and lenshood;
Cat. No. **7269**
\$239.50

300 300mm Super-Multi-Coated Takumar f/4.0;
Fully automatic; 5 elements;
Minimum aperture f/22;
Minimum focus 18 ft.;
8° angle of view;
Weight 33.5 oz.; Length 7.25 in.;

Filter size — 77mm;
Case and built-in lenshood;
Cat. No. **7271**
\$429.50

400 400mm Super-Multi-Coated
Tele-Takumar f/5.6;
Click-stop diaphragm; 5 elements;
Minimum aperture f/45;
Minimum focus 27 ft.;
6° angle of view;
Weight 43 oz.; Length 10.8 in.;
Filter size — 77mm;
Case and built-in lenshood;
Cat. No. **7273**
\$469.50

500 500mm Super-Multi-Coated Takumar f/4.5;
Click-stop diaphragm; 4 elements;
Minimum aperture f/45;
Minimum focus 33 ft.;
5° angle of view;
Weight 7 lbs. 2 oz.; Length 15.2 in.;
Filter size — 49mm;
Case and built-in lenshood;
Cat. No. **7274**
\$739.50

1000 1000mm Super-Multi-Coated
Tele-Takumar f/8.0;
Click-stop diaphragm; 5 elements;
Rack and pinion focusing;
Minimum aperture f/45;
Minimum focus 98 ft.;
2.5° angle of view;
Weight 10 lbs.; Length 28.5 in.;
Filter size — 49mm;
Lenshood, tripod and metal case;
Cat. No. **7275**
\$1,595.50

85 85mm Ultra-Achromatic Takumar f/4.5;
Fully automatic; 5 elements;
Minimum aperture f/22;
Minimum focus 2 ft.;
29° angle of view;
Weight 8.7 oz.; Length 2.4 in.;
Filter size — 49mm; case and filters;
Cat. No. **7088**
\$1,400

300 300mm Ultra-Achromatic Takumar f/5.6;
Fully automatic; 5 elements;
Minimum aperture f/22;
Minimum focus 16 ft.;
8° angle of view;
Weight 29 oz.; Length 9 in.;
Filter size — 58mm;
Case and built-in lenshood;
Cat. No. **7089**
\$1,600

EXPOSURE METERS



1°/21° Meter

A highly versatile tool for the advanced amateur or professional, the 1°/21° Meter measures a hair-splitting 1° in the center of a 21° viewing field. It's unsurpassed for selectivity, giving you complete exposure control under any condition, and at any distance. The 1°/21° Meter features eye-level pentaprism viewing; high and low ranges; easy-to-read illuminated scales, and a wide range of shutter speed, aperture, and ASA settings. Complete with batteries and leather case.

Cat. No. **7098** Honeywell Pentax 1°/21° Exposure Meter \$204.50

Cat. No. **7001** "Guide to Good Exposure" \$ 2.00

Cat. No. **7099** Replacement Case for 1°/21° meter \$ 12.00

Clip-on Meter

This small, lightweight exposure meter attaches easily to the pentaprism housing of Honeywell Pentax SL cameras, coupling directly to the shutter speed dial. CdS cell is highly sensitive, and the light acceptance angle is 30°, giving you excellent control over most lighting situations. ASA range is 6 to 1600. Clip-on Meter operates on one 1.3v mercury battery, and comes with battery and leather case.

Cat. No. **7135** Clip-on Meter for "SL" cameras. . . . \$39.50

FILTERS

There are fourteen different Pentax filters to cover a wide variety of applications. Filter sizes range from 46mm to 77mm. All are precision ground, polished and coated for maximum picture quality. For black and white films there are U-V; Ghostless U-V; Y-1 (light yellow); Y-2 (medium yellow); O-2 (medium orange); Y-G (yellow-green) and R-2 (medium red). For color film, filters include: Skylight; Cloudy (81-A); Morning and Evening (82-A); Type A; Polarizing; Flash (80-C) and Flood (80-B). Prices range from \$13.00 to \$35.00.

LENSHOODS

Honeywell Pentax Lenshoods are strongly recommended for use whenever possible to guard against off-angle light which can cause flare in your pictures. Most Takumar lenses from 20mm to 1000mm are supplied with a lenshood. There are 3 different types of lenshoods depending upon lens type: normal, wide angle and tele.

CAMERA CASES

Cat. No. **7134** Hard leather for all Spotmatic, SL and SP models \$30.00

Cat. No. **7122** Soft leather for all Spotmatic, SL and SP models \$30.00

Cat. No. **7121** Soft leather for ES \$32.00

Cat. No. **7206** Soft leather for ES II \$32.00

Cat. No. **7029** Soft leather for Spotmatic II Motor Drive \$34.00

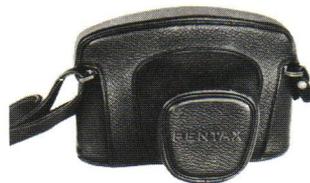
Cat. No. **751** Soft leather for H1a or H3v camera . . \$19.00

Cat. No. **740** Hard leather for Pentax H1a and H3v cameras \$23.00

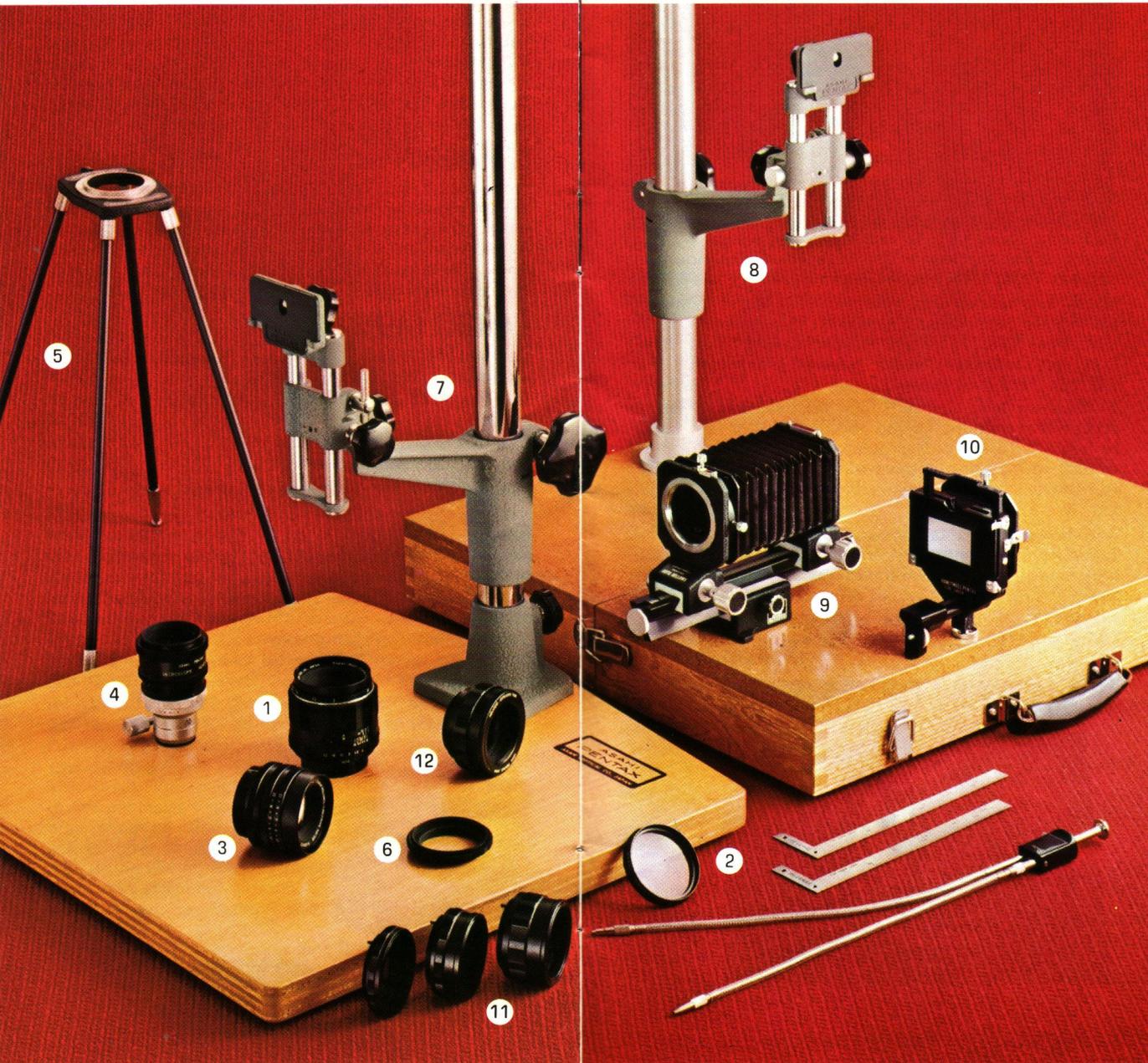
Cat. No. **753** Soft leather case for H1a, H3v with Clip-on Meter attached \$20.00

Cat. No. **7093** Top half of above case for converting case no. 751 to accept Pentax with Clip-on Meter attached \$14.00

Cat. No. **7030** Top half cases 753, 751, 7121, 7122 for Takumar Telephoto lenses through 150 mm \$19.00



Close-up accessories for your Honeywell Pentax



Zero in on the World Discover the excitement of Macrophotography and Photomicrography

There are many accessories in the Honeywell Pentax system that can bring you into macrophotography (extreme close-up) and photomicrography (photos taken through a microscope). Macrophotographs are pictures of moderate enlargement — usually .5 to 10 times life size. The camera lens itself is generally used. In shooting photomicrographs — objects magnified to 10 times life size or more — the microscope functions as the camera lens.

1. Macro lens 50mm Super-Multi-Coated Macro Takumar f/4.0; fully automatic; 4 elements; min. aperture f/22; min. focus 9.5"; 46° angle of view; weight 8.7 oz.; lenshood not required as lens is recessed into mount. Cat. No. **7258**; filter size — 49mm \$189.50

Macro lens 100mm Super-Multi-Coated Macro Takumar, f/4.0; fully automatic; 5 elements; min. aperture f/22; min. focus 18", 24.5° angle of view; weight 13 oz.; lenshood not required as lens is recessed into mount. Cat. No. **7270** (Not shown) \$264.50

2. Close-up lens Fits all Super Takumar lenses which accept 49mm filters. Thread mounts to front lens frame for really crisp photomicrography with a magnification of 0.32 to 0.15 at a subject to film plane range of 11" to 18½" with a 55mm lens. Cat. No. **821** \$15.00

3. Bellows lens 100mm Super-Multi-Coated Bellows-Takumar, f/4.0; preset; 5 elements; min. aperture f.22; min. focus 6" from lens rim used on Auto Bellows; 24.5° angle of view; weighs 5 ozs.; filter size 49mm; lenshood is supplied. Cat. No. **7264** \$184.50



4. Microscope adapter Fits between the Pentax camera body and the microscope tube, using the microscope optics instead of the camera lens. Use with any 25mm microscope tube. Set includes adapter, main tube and light-sealing tube. Cat. No. **7091** \$34.00

5. Copipod Portable copy stand for all Pentax cameras. Lens board with adapter ring for 49mm lenses, and 4 calibrated telescoping legs. With pouch case. Cat. No. **717** \$42.00

Clip-on magnifier All Pentax Models. Cat. No. **798** (Not Shown) \$32.00.

6. Reverse Adapter Allows standard 50mm or 55mm lenses to be used on Bellows I, Bellows II or extension tubes in reverse position for better macro results. Cat. No. **755** \$4.00

7. Copy stand Deluxe Copy Stand II quickly and accurately aligns any 35mm Pentax for copying documents, specimens, art work. Cat. No. **7101** \$132.00

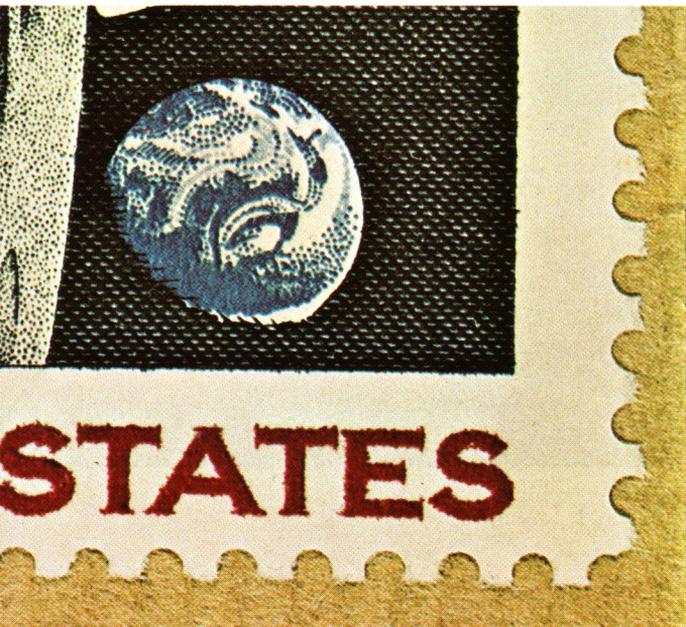
8. Portable copy stand Base plate becomes a box to contain all components of the kit, plus room for a camera, extension tubes and some small accessories. Cat. No. **7171** \$229.50

9. Pentax auto bellows Front lens board can be reversed to mount lens in reverse position. Double cable release triggers camera shutter and lens automatic diaphragm. Cat. No. **7095** \$174.00

10. Slide copier Precision slide copier attaches to front of Auto Bellows for quick, accurate slide duplication. Cat. No. **7090** \$55.00

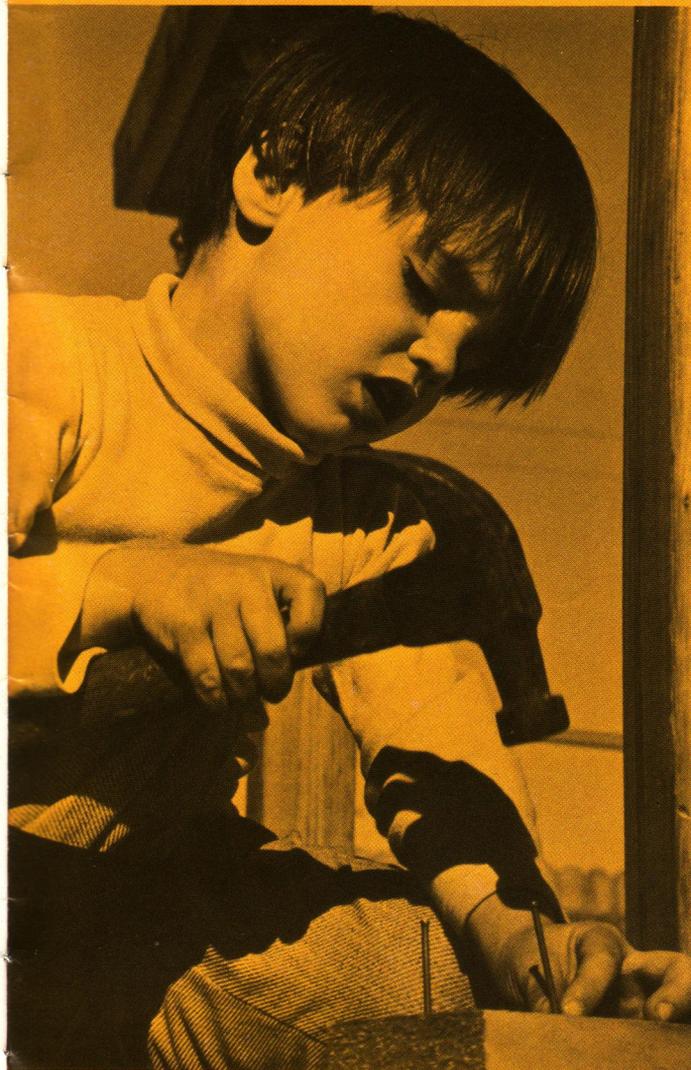
11. Auto extension tube set Consists of three rings of 9.5mm, 19.0mm and 28.5mm. Used singly or in combination. When three are used simultaneously, with standard 55mm lens, subject is enlarged on film to 1.17 life size. Cat. No. **7094** \$33.00

12. Focusing extension tube Permits variable extension from 16.8mm to 30.6mm. With standard 55mm lens, permits magnification from .3X to .71X. Cat. No. **7105** \$47.00



MISCELLANEOUS ACCESSORIES

- Cable Release.** Cat. No. 789\$3.50
Leica Adapters "A" & "B". "A" for Leica lenses on Pentax; "B" for Takumar lenses on Leica. Cat. No. 791 (for close-up photography only)\$9.00
Deluxe Cable Release 12", with rotating thread mount and spring-loaded locking collar. Cat. No. 7104 ...\$6.00
Deluxe Accessory Clip for shoe-mount accessories. Cat. No. 7092\$8.50
Rear Lens Cover. Protects rear optic when not in use. Cat. No. 781\$2.50
Camera Body Cap. Protects camera body without lens. Cat. No. 794\$2.50
Front Lens Cap. Protects lens when not in use. For lenses using 49mm accessories. Cat. No. 757\$2.50
"D" Ring for attaching camera straps to camera lugs. Cat. No. 7102\$.15
Leather Carrying Case for Pentax camera, lenses and accessories. Cat. No. 7020\$55.50
Right Angle Mirror Adapter. Fits telephoto lenses having 58mm filter diameters. Cat. No. 7096\$118.00
Canon Adapter "C" for 500mm and 1000mm Takumar lenses on Canon. Cat. No. 7110\$19.50
Minolta Adapter "M" for 500mm and 1000mm Takumar lenses on Minolta. Cat. No. 7111\$19.50
Konica Adapter "K" for 500mm and 1000mm Takumar lenses on Konica. Cat. No. 7112\$19.50
Shoulder Pad. Cat. No. 7113\$1.75
Rubber Eyecup. Cat. No. 7117\$2.00
Corrective Lenses. Available from +2.5 to -0.5 diopter. \$7.00 includes eyepiece.
Film cassette for bulk loading 20-36 exposure film. Cat. No. 795\$8.00
Replacement lens cases and caps. See your Honeywell Pentax dealer for prices.
Honeywell Pentax Books
"Pentax and Single Lens Photography" by Robert Fuhring, 123 pages, illustrated. Cat. No. 749\$3.95
"The Pentax Way" by Herbert Keppler, 352 pages, illustrated. Cat. No. 7000\$12.95



Prices subject to change without notice.