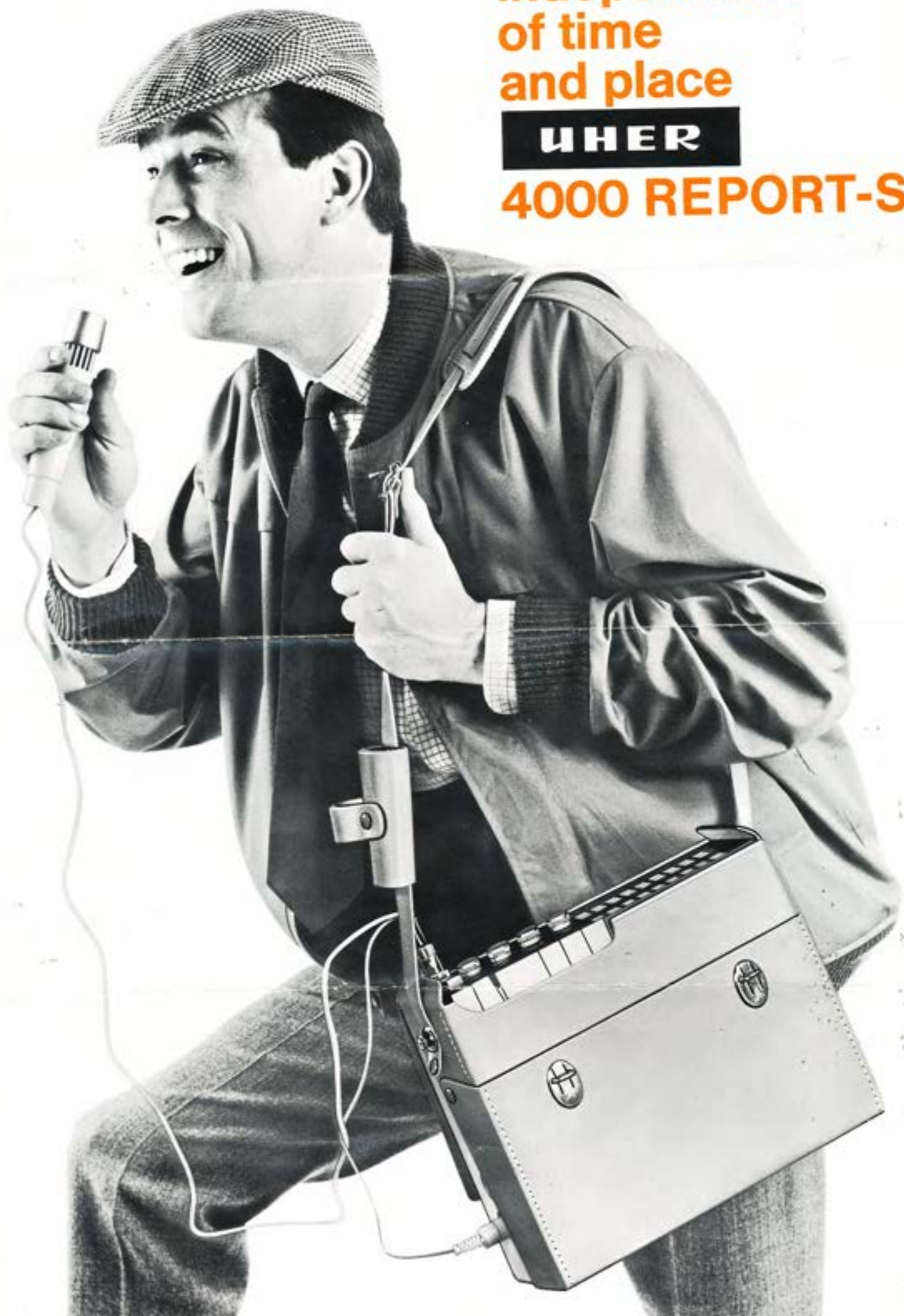


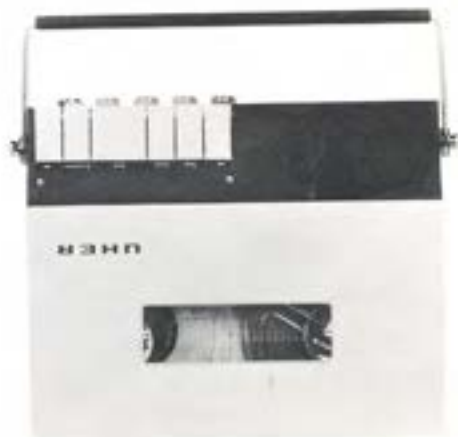
independent  
of time  
and place

**UHER**

**4000 REPORT-S**



The new UHER 4000 REPORT-S is a completely self-contained all-transistor tape recorder which is ready for recording and playback anywhere at any time. Due to its superior qualities the UHER 4000 REPORT-S is very suitable not only for the exacting recording amateur but also for any kind of professional use.



The UHER 4000 REPORT-S requires only five readily available flashlight cells as a power supply. It is even more economical to operate the recorder from a rechargeable "dryfit" storage battery which needs no maintenance and is as practical as a dry battery. If mains supply is available, the model Z 111 mains-operated power unit permits operation at minimum cost. Moreover this power unit serves also as a battery charger for the "dryfit" storage battery — all you have to do is to press the button of the power unit. The built-in charging control automatically disconnects the storage battery when charging is completed. The UHER 4000 REPORT-S can of course also be operated from any type of storage battery, as used in vehicles such as automobiles and motor boats, ranging from 6 to 24 volts. In order to charge the "dryfit" storage battery from a battery of this kind, a model Z 161 charging unit must be used, which is also equipped with the useful automatic charging control. Four tape speeds allow all sorts of recordings — from Hi-Fi recordings to extensive conference minutes. Despite its surprisingly small dimensions and light weight, the recorder permits the use of tape reels of up to 5" and thus provides a playing time of up to 8 hours per reel of tape. It will operate in any position and is indifferent to changes of position. This, along with its sturdy all-metal construction, guarantees the dependable and reliable performance of the UHER 4000 REPORT-S.

The UHER 4000 REPORT-S combines the advantages of a mains-operated and an all-transistor portable tape recorder. This versatile and technically as well as formally well-designed tape recorder has become the companion of many "very important persons".

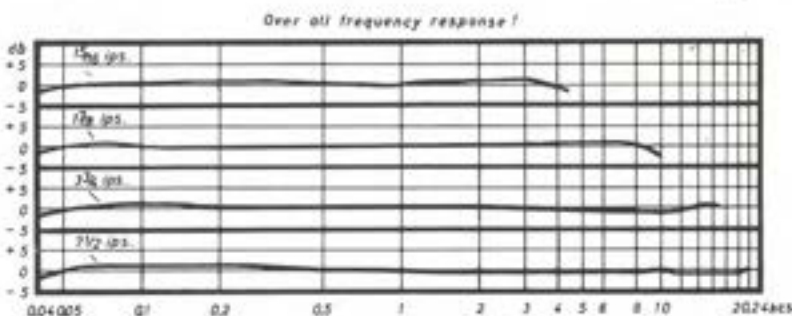




The novel driving system comprises a particularly small high-speed flywheel which rotates at constant speed, regardless of the selected tape speed. This fact contributes tremendously to the excellent speed stability. The novel high-frequency controlled powerful motor guarantees uniform tape motion even if the battery voltage decreases, within certain limits. The electromagnetic start/stop remote control by means of the remote control microphone or a remote control switch makes the UHER 4000 REPORT-S so easy to operate. Also during operation the reels are fully protected and are secured against coming off the spindles. Therefore the recorder will work in any position and its performance can under no circumstances be disturbed. The illuminated VU meter and power supply indicator can easily be read in broad daylight as well as at night. The tape motion can be sound-controlled by using a model F 411 Akustomat (see "Accessories") which serves as an acoustic switch, i. e. it will start and stop the tape motion automatically whenever sound appears or ceases. In this case the UHER 4000 REPORT-S will operate as a fully automatic recorder.

**Technical Specification:** Two tracks to International standard ■ reel size: up to 5" ■ four tape speeds: 7 1/2 ips, 3 3/4 ips, 1 7/8 ips, 15/16 ips ■ frequency response ( $\pm 3$  db): 40–20,000 cps at 7 1/2 ips, 40–17,000 cps at 3 3/4 ips, 40–10,000 cps at 1 7/8 ips, 40–4,500 cps at 15/16 ips ■ contrast ratio: 55 db ■ wow and flutter:  $\pm 0.15\%$  at 7 1/2 ips (audible frequencies only) ■ output power: 1 watt (push-pull power stage) ■ power supply: five flashlight cells (1.5 volts each) or "dryfit" storage battery model Z 211 or model UHER Z 111 mains-operated power unit and battery charger or an automobile battery via automobile adaptor cable ■ inputs: Micro 0.1 mV at approx. 2 kilohm; Radio 1 mV at 47 kilohms; Phono 25 mV at 1 megohm ■ outputs: 2 volts at 4 ohms; 1 volt at 15 kilohms ■ operating time: intermittent operation of approx. 12 hrs; continuous operation and intermittent operation respectively from the "dryfit" storage battery – approx. 10 hrs. ■ dimensions approximately: 11" x 8" x 3" ■ weight without batteries: approximately 6 lbs.

**Features:** Fully transistorized (12 Transistors) and completely self-contained ■ two tracks to International standard ■ pushbutton controls ■ electromagnetic start/stop remote control ■ four-speed gate-type speed selector combined with on/off switch ■ high-speed wind and rewind independent of selected tape speed ■ all-metal construction ■ separate controls for recording level and playback volume ■ continuously variable tone control ■ wide frequency response due to long-life narrow-gap sound heads ■ electric meter with disconnectable illumination indicates recording level and battery condition ■ printed-circuit amplifier; built-in microphone amplifier ■ low-impedance microphone input ■ novel driving system guarantees trouble-free operation in any position as well as excellent speed stability ■ standard sockets for radio, phono, multi-channel mixer, telephone attachment, loudspeaker and earphone, microphone socket with locked plug ■ socket for hand-operated or foot-operated remote control and for Akustomat.



# Accessories for **UHER** 4000 REPORT-S



**Model UHER Z 111 Mains-Operated Power Unit and Battery Charger**, including Model UHER K 713 Connection Cable

**Model UHER K 713 Connection Cable**, supplied separately on demand



**Model UHER M 511 Dynamic Remote-Control Microphone** (designed especially for UHER 4000 REPORT-S) cardioid response, start/stop remote switch, frequency response: 70-14,000 cps



**Model UHER Z 511 Ever-Ready Carrying Case**, made of best neat's leather, with shoulder strap and microphone receptacle



**Model UHER W 211 Midget Magnetic Earphone, Complete**; for monitoring the recording and playback through an earphone.

**Model UHER W 911 Stethoclip** converts the model UHER W 211 midget magnetic earphone into a full headset for two-ear listening



**Model UHER M 532 Dynamic Wide-Range Microphone**, high-performance type, cardioid response, continuously variable close-talk and music control  
frequency response:  
40-16,000 cps  
A microphone for very high demands

**Model Z 211, "drylit" Storage Battery**

**Model UHER Z 161 Charging Unit**, for charging from an automobile battery

**Model UHER K 711 Automobile Adaptor Cable**, for connection to auto lighter plug-in, for 6 and 12 volts

**Model UHER K 712 Automobile Adaptor Cable**, for connection to auto lighter plug-in, for 24 volts

**Model UHER F 411 Akustomat**, acoustic switch

**Model UHER F 111 Hand-Operated Remote Control**, with 5-meter cable (approx. 15 feet)

**Model UHER F 211 Foot-Operated Remote Control**

**Model UHER K 511 Audio Cable**

**Model UHER K 631 Adaptor**, for connecting the recorder to a radio set which is not equipped with a standard tape recorder socket or diode output socket, to be used with model UHER K 511 audio cable

**Model UHER K 361 Adaptor**, for connecting a record player which is equipped with banana-type plugs

**Model UHER A 261 Telephone Attachment**

**Model UHER M 131 Dynamic Microphone**, omnidirectional

**Model UHER M 132 Dynamic Microphone**, omnidirectional

**Model UHER M 531 Dynamic Microphone**, cardioid response, two-position switch for close-talk and music

**Model UHER M 911 Microphone Floor Stand**, for the microphone models UHER M 531, UHER M 131 and UHER M 532

**Model UHER K 122**, length 5 meters (approx. 15 feet), **Microphone Extension Cable**, for model UHER M 511 Dynamic Remote-Control Microphone

**Model UHER K 111**, length 5 meters (approx. 15 feet), **Microphone Extension Cable**, for all UHER microphone models

For advice or a demonstration without obligation contact your UHER dealer:

PACIFIC MEDICAL EQUIPMENT CO.  
3155 COLDWATER CANYON AVE.  
NORTH HOLLYWOOD, CALIFORNIA

# UHER

UHER WERKE MÜNCHEN  
Recorders and Dictating Machines  
8 München 47, Postfach 37

# a professional portable tape recorder

as fine as this  
couldn't be  
built!

management  
knew it!

sales  
knew it!

service  
knew it!

advertising  
knew it!

but no one  
thought to  
tell

engineering!

so here it is -  
the incomparable new

a  
**martel**  
presentation

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# UHER 4000-L

Combines Old World Craftsmanship with Space Age Technology and Design

Retaining all the outstanding features that made the famous UHER 4000 Report and the UHER 4000 Report-S the first choice of radio & TV correspondents and reporters throughout the world, and took the UHER 4000 series from the heights of Mt. Everest to the depths of the ocean as the official sound recording instruments. The UHER 4000 Report-L has added a number of refinements that makes it the true Royalty of professional portable tape recorders.

Now there is a 3-digit index counter, with push-button reset, a picture-window top for improved tape observation, brushed aluminum piano-key controls, calibrated VU meter with db scale, one-plug microphone connection, and easier threading. Add these new features to the proven perfection of the UHER 4000 Report series and the result is

the incomparable professional portable recording instrument.

**QUIETER, MORE POWERFUL MOTOR**, controlled by 8-transistor D.C. voltage stabilizing circuit.  
**ILLUMINATED VU METER** with decibel scale, also serves as a battery condition meter.  
**IMPROVED CIRCUITRY** utilizes the latest techniques in printed circuit boards and transistors.  
**BUILT-IN BELT CLEANING BRUSHES** for more precise operation and longer belt life.  
**RECHARGEABLE DRYFIT STORAGE BATTERY** or provision for five nickel-cadmium batteries.  
**FUNCTION KEYS** of piano keyboard styling make operational changes immediate and direct.  
**EXCEPTIONALLY FINE RECORDING CHARACTERISTICS** permit practical recording at 15/16 ips - up to 8 1/2 hours on one five inch reel!

## OPERATING FEATURES OF THE INCOMPARABLE UHER 4000 REPORT L

1. ON/OFF SPEED SELECTOR
2. VOLUME CONTROL
3. TONE CONTROL
4. MODULATION CONTROL
5. INPUT SELECTOR
6. VU METER/BATT. CONDITION INDICATOR



7. REWIND KEY
8. START KEY
9. PAUSE CONTROL KEY
10. STOP KEY
11. RECORDING KEY
12. FAST FORWARD KEY
13. DIGITAL COUNTER

Magic  
in a  
Matchbox

Independent of time and place, the UHER 4000 Series is a valuable assistant to many people: to Space Technicians for missile tracking; to Radio Stations for interviews and "on-the-spot" recording; to Businessmen for listening to or recording important data while driving; to Doctors and Lawyers for lectures; to Outdoorsmen for recording the sounds of nature; to Salesmen for reviewing their sales presentations; to Missionaries for Bible instruction; in fact, its versatility is limited only by your imagination.

### SPECIFICATIONS

<p><b>Tape Speeds</b> 15/16, 1 1/4, 3 3/4, and 7 1/2 I.p.s.</p> <p><b>Maximum Reel Size</b> 5 inches</p> <p><b>Frequency Response</b> 40-4,500 cps @ 15/16 I.p.s. 40-10,000 cps @ 1 1/4 I.p.s. 40-17,000 cps @ 3 3/4 I.p.s. 40-20,000 cps @ 7 1/2 I.p.s.</p> <p><b>Signal to Noise Ratio</b> 55 db</p> <p><b>Wow and Flutter</b> ± 0.15% r.m.s. @ 7 1/2 I.p.s. (audible frequencies only)</p>	<p><b>Heads</b> Standard half-track Erase and Record/Play</p> <p><b>Outputs</b> External Speaker/Earphone</p> <p><b>Inputs</b> Remote Control, Microphone, Power</p> <p><b>Output Power</b> 1 watt (push-pull output stage)</p> <p><b>Power Supply</b> Rechargeable Dryfit Storage Battery or five nickel-cadmium batteries or Power Unit and Battery Charger.</p> <p><b>Size</b> 10 1/2 x 8 1/2 x 3 1/4 inches</p> <p><b>Weight</b> 7 lbs. 8 oz. (less battery)</p>
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### ACCESSORIES

DESIGNED AND SELECTED EXCLUSIVELY FOR SUPERIOR PERFORMANCE WITH THE UHER 4000 REPORT L

<p>121 Transistorized Mixer, Hi-Lo Imp., includes cable .... \$140.00</p> <p>MD405-S Sennheiser Deluxe Diminutive Cardioid Microphone with built-in windscreen and locking type start/stop switch, 60-16000 cps. .... 60.00</p> <p>422 Dia-Pilot, synchronizes with automatic slide projectors.. 70.00</p> <p>433 Rechargeable Battery ..... 20.00</p> <p>505 Stand for 515 and 514 microphones ..... 5.00</p> <p>515 Dynamic Microphone with remote pause switch, 70-12000 cps. .... 30.00</p> <p>514 Dynamic Microphone with voice/music switch, built-in windscreen, 70-14000 cps. .... 30.00</p> <p>533 Set of 5 nickel-cadmium rechargeable batteries ..... 40.00</p> <p>631-S Magnetic Ear Phone with single ear clip ..... 13.00</p> <p>680 Hand operated Remote Control (stop/start) ..... 7.00</p> <p>690 Foot operated Remote Control (stop/start) ..... 17.00</p> <p>802 Telephone Pickup ..... 9.00</p> <p>802-S Special Custom Telephone Adapter ..... 12.00</p>	<p>817 Akustomat for voice control ..... 45.00</p> <p>881 Leather Carrying Case with shoulder strap and microphone loop ..... 30.00</p> <p>890 AC Power Unit and Battery Charger, (100, 130, 150, 220 or 250 volts, 50 or 60 cycle) ..... 30.00</p> <p>881 Battery Charger, (operates from 6v car lighter socket)..... 25.00</p> <p>882 Battery Charger, (operates from 12v car lighter socket).. 25.00</p> <p>883 External Power Unit &amp; Battery Charger for use with nickel-cadmium batteries ..... 30.00</p> <p>3020 Attache Case, compartmented for accessories ..... 22.00</p> <p>3069 Attache Case with concealed microphone ..... 35.00</p> <p>USA-2 Audio Cable, "Radio" in, "Speaker" out ..... 4.00</p> <p>USA-3 Audio Cable, "Phono" in, "Amplifier" out ..... 4.00</p> <p>USA-20L 16 ft. Microphone Extension Cable ..... 12.00</p> <p>USK-662 Car Battery Cable for 6 &amp; 12 volts ..... 13.00</p> <p>USK-663 Car Battery Cable for 24 volts ..... 20.00</p>
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**THE RECOMMENDED BASIC RECORDING UNIT CONSISTS OF THE UHER 4000 REPORT L WITH REMOTE CONTROL DYNAMIC MICROPHONE, LEATHER CASE, AC POWER UNIT /BATTERY CHARGER, AND RECHARGEABLE BATTERY.**

210  
20  
5  
50  
17  
45  
30  
55  
4

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Operating Instructions  
Instrucciones de manejo  
Mode d'emploi

**UHER**

**4000 REPORT-S**



**UHER**

**4000 REPORT-L**

Betriebsanleitung  
Operating Instructions  
Mode d'emploi  
Instrucciones de manejo

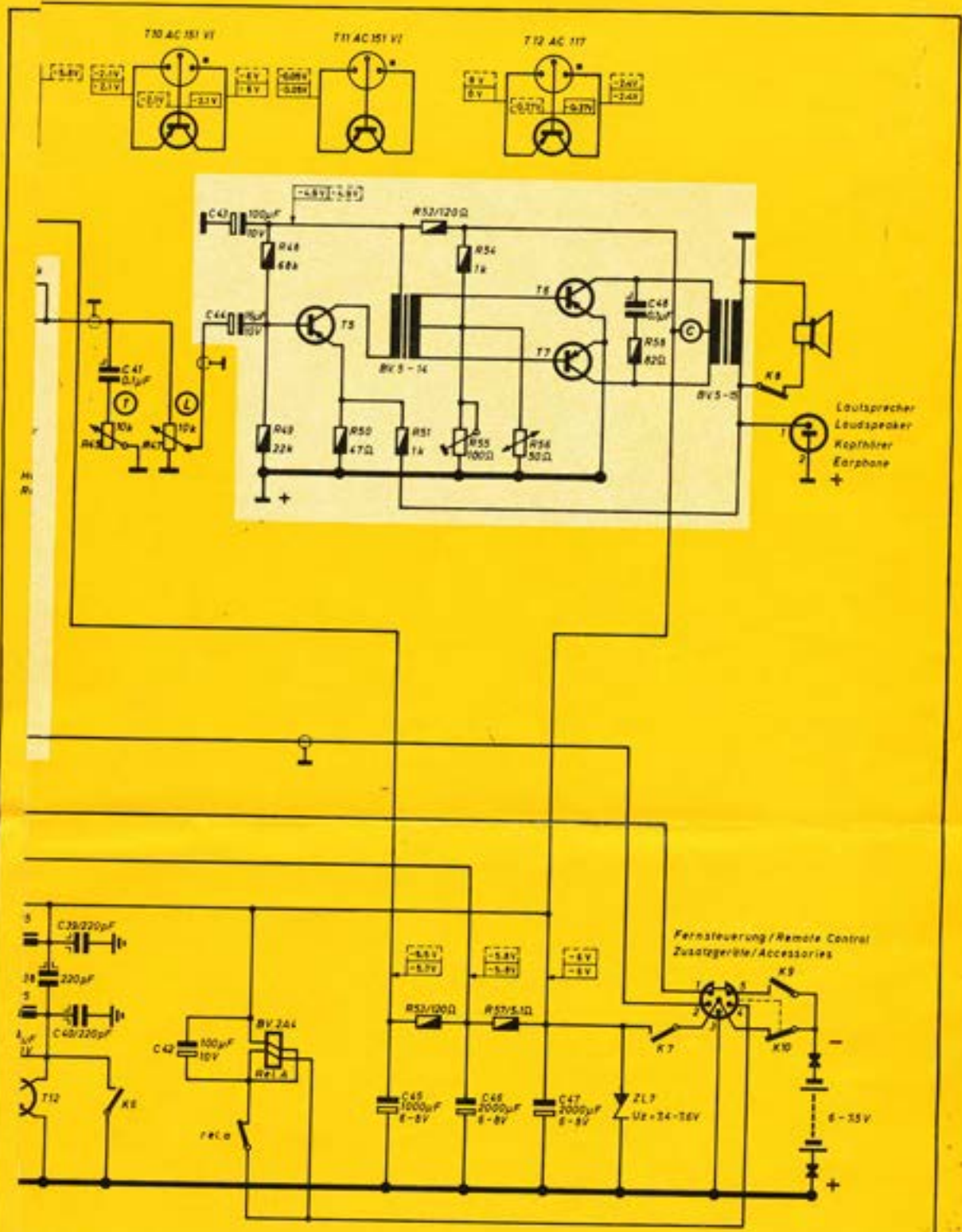
## Technical Specifications

Recording Sense:	two tracks to international standard
Tape Speeds:	15/16 ips, 1 7/8 ips, 3 3/4 ips, 7 1/2 ips
Maximum Reel Diameter:	5"
Frequency Response:	40 — 4,500 cps at 15/16 ips 40 — 10,000 cps at 1 7/8 ips 40 — 17,000 cps at 3 3/4 ips 40 — 20,000 cps at 7 1/2 ips
Signal-to-Noise Ratio:	55 db
Wow and Flutter:	$\pm 0.15\%$ at 7 1/2 ips (audible frequencies only)
Output Power:	1 watt (push-pull output stage)
Power Supply:	5 flashlight cells (1.5 volt), Z 211 "dryfit" storage battery or Z 111 Mains-Operated Power Unit and Battery Charger
Transistor:	9 x AC 151, 3 x AC 117
Dimensions:	approx. 10 1/2" x 8 1/2" x 3 1/4"
Weight (less batteries or power unit):	approx. 7 lbs.

## Datos técnicos

Sistema de pista:	doble, de norma internacional
Velocidades de la cinta:	2,4 cm/seg., 4,7 cm/seg., 9,5 cm/seg., 19 cm/seg.
Diámetro máximo de los carretes:	13 cm
Gama de frecuencias:	40 — 4500 Hz ( 2,4 cm/seg.) 40 — 10000 Hz ( 4,7 cm/seg.) 40 — 17000 Hz ( 9,5 cm/seg.) 40 — 20000 Hz (19 cm/seg.)
Gama dinámica:	55 db
Sincronismo:	$\pm 0,15\%$ (19 cm/seg.)
Potencia de salida:	1 vatio (etapa final de push-pull)
Alimentación con corriente:	5 elementos mono 1,5 v, acumulador "dryfit" tipo Z 211, dispositivo de conexión a la red y de recarga tipo Z 111, o batería de automóvil
Equipo de transistores:	9 x AC 151, 3 x AC 117
Dimensiones:	270 x 215 x 85 mm
Peso:	aprox. 3 kilos





45	47	48	49	50	51	52/53	54	55	56	57	58	
38	39	40	41	42	43	44	45	46	47	48		R
												C
												K7
												K8
												K9
												K10
												Kontakte Contacts

- 1/2 W
- Elko
- 20V Keramik
- 500V Keramik
- 150V Kristall
- 125V Styrolite
- Pegelreger Level
- Tonsteuere Tone Control
- Lautstärke Volume Control

# UHER

## 4000 REPORT-S

### Stromlaufplan

Gültig ab Gerät Nr. 163001

Änderungen vorbehalten!

### Circuit Diagram

Valid from ser. no. 163001

Alterations reserved!

650 siehe Rückseite.  
1 ser. no. 171 650) see back of this sheet.

## INSTRUCTIONS FOR OPERATING

To operate the unit in your attache case for the purpose of the hidden microphone which is in the nametag of the case, proceed as follows:

1. Attach the 3-prong plug to the microphone outlet of your recorder.
2. Attach the 5-prong plug to the side of the unit at the last reception outlet.
3. When the locking device of the right hand side of the attache case is locked, it will automatically start the recorder and any conversation in the room will automatically be picked up.

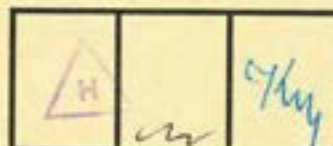
In order to get the playback properly, snap open the locking device of the attache case and remove the 5-prong plug from the side of the recorder. Then proceed by playing it back and you will get the recording which was automatically recorded on your machine.



### PACKZETTEL - PACKING SLIP - FICHE D'EMBALLAGE - FICHA DE EMBALAJE

Achtung!	Attention!	Attention!	Atención!
Inhalt sofort nach der Ware nachprüfen	Check the goods immediately	Vérifiez immédiatement les marchandises	Revisa la mercadería en seguida
Reklamationen können nur berücksichtigt werden, wenn sie innerhalb 8 Tagen nach Empfang der Ware erfolgen	Complaints can be considered only, if they reach us within 8 days after receipt of the goods	Nous ne pouvons tenir compte des réclamations, que si elles ont lieu 8 jours après réception de la marchandise	Solamente podemos tomar en cuenta reclamaciones anunciadas por Vds. dentro de 8 días después del recibo de la mercadería
Der Packzettel ist beizufügen	Attach packing slip	Ajoutez la fiche d'emballage	La ficha de embalaje debe estar adjuntado

Verpackt und kontrolliert:  
packed and controlled:  
Emballé et contrôlé:  
Embalado y revisado:



**UHER**  
UHER WERKE MÜNCHEN

# UHER

## Model F 411 Akustomat Model 817 Akustomat

The Akustomat can be operated with the tape recorder models

UHER "4000 report"

UHER "4002 report stereo"

UHER "Royal stereo"

UHER "4000 report-s"

UHER "4004 report stereo"

UHER "UNIVERSAL 5000"

and makes possible fully automatic start and stop of the tape motion during recording operation. It does not matter whether the recording is made from a microphone, a radio set or from another source.

### Connection and Operation

1. Connect the Akustomat by its short cable to the socket marked  $\Delta$  of the tape recorder. Turn the two control knobs marked S and T counterclockwise as far as possible.
2. Connect the source of sound, for instance a microphone, to the tape recorder.
3. Depress the recording key and adjust the proper recording level as usual.
4. Hold down the recording key and depress the start key. Both keys must remain in their respective depressed positions. Upon this the tape will start moving and will stop shortly afterwards. If someone talks into the microphone the tape will start moving and will keep moving as long as the person keeps talking or another acoustic signal is picked up by the microphone. If there is, for instance, a pause in the flow of speech, the tape will stop automatically, i. e. the tape will move as long as sound to be recorded is available.

### Operation of the Controls T and S

#### 1. Control T

You may have noticed that the magnetic tape keeps moving for a short time after the recording has been terminated. This delay period can be adjusted, by means of the control T, between 0.5 and 5 seconds if you do not want the recorder to be stopped by every short interruption.

#### 2. Control S

Turning the control S clockwise will increase the sensitivity of the Akusomat, i. e. even very weak acoustic signals will start the tape motion. Under normal circumstances it will not be necessary to use this control; for its normal setting turn this control to its extreme counterclockwise position.