

The more you know
about Hi-Fi the more
you'll appreciate
Goldring.





If you're already well versed in Hi-Fi you'll know how good Goldring-Lenco equipment sounds.

And if you're new to Hi-Fi you'll quickly appreciate the confidence with which you can build a system you can be proud of by selecting from the Goldring-Lenco range and matching everything else you buy to its quality.

The range of high-quality transcription units is designed to meet the needs of the Hi-Fi enthusiast at every stage of his development and every level of expenditure.

Goldring have already earned an enviable reputation for their world famous stereo magnetic cartridges, and the appeal of the 800 range is now further developed by the introduction of the new 820 series incorporating many refinements for achieving superb reproduction.

In presenting these many facets of Goldring-Lenco, and all the choices that are open to the enthusiast, this booklet is dedicated to those who want the best in Hi-Fi without necessarily paying the earth.

See and hear the Goldring quality for yourself at your local dealer. We think the experience will help you to find out more about Hi-Fi. We know it will help you to appreciate Goldring.

LENCO GL85 THE FINEST TRANSCRIPTION UNIT IN THE LENCO RANGE.



Specification

Two speeds, 33 $\frac{1}{3}$ and 45 r.p.m. Electronic fine speed adjustment - 3%. Illuminated stroboscope at turntable rim. Viscously damped pick-up lowering device. Electronic shut-off mechanism. Press button on/off switch. The pick-up arm is raised automatically at the end of record.
16-pole synchronous motor 2.2 VA. Drive via flat belt.
Wow and flutter linear to DIN 45-507 \pm 0.16%.
Wow and flutter weighted to DIN 45-507 \pm 0.08%.
Rumble linear to DIN 45-539 - 45 dB.
Rumble weighted to DIN 45-539 - 60 dB.

If we had to choose one unit which presented the Goldring-Lenco philosophy of constant refinement and development, it would be the GL85.

It incorporates all the special features and refinements that make the difference between mere technical competence and high accomplishment.

A new low-speed 16-pole synchronous motor provides exceptional accuracy and transfers the drive via a non-stretch flat belt. There are 2 fixed speeds, 33 $\frac{1}{3}$ and 45 r.p.m., which can be varied by up to 3% by a special electronic fine speed control. An illuminated stroboscope is concealed in the

turntable, and an electronic shut off mechanism switches the current off at end of play and raises the arm from the record. Wow and flutter are remarkably low while rumble is an astonishingly low 60 dB weighted.

So from its luxurious hand-finished wood plinth to the clear dust cover, the GL85 is the Hi-Fi transcription unit of the connoisseur.

Those who choose the Lenco GL85 and carefully match all the other units in their system to its excellence can be sure that the quality of the sound they achieve will be as close as possible to the original sound itself.

Pick-up Arm

Counter balanced. Stylus pressure adjustment from 0-5P. Four ball races. Removable low-mass plug-in shell to accommodate all cartridges.
Overall length of arm 11.98"
Tracking centres 8.27"
Overhang .67"
Tracking error at correct setting of stylus, from 4.72" - 9.84" \pm 0.06° 12" \pm 2.5°
Tracking angle 26° 13 minutes.
Adjustable anti-skating bias compensation.

Dimensions (Chassis)

Base plate 12.7" x 16.7"
Clearance required above base plate 2.3"
Clearance required below base plate 2.2"
Turntable diameter 12.4"
Turntable complete with rubber mat 3.5 lbs.
Total weight 16.75 lbs.



THE GOLDRING-LENCO GL78. IT HAS A BRILLIANT PAST BEFORE IT.



The Goldring-Lenco GL 78 is another exceptional unit which draws to the full on the past achievements of Goldring-Lenco. And adds some new ideas of its own.

In fact it's a further development of the famous GL 75, and improves still more on a unit which itself has become a yardstick of Hi-Fi excellence.

In the GL 78 P, the drive through the 4-pole motor and the conical spindle allows for infinitely variable speed adjustment. The pick-up arm, which can be balanced out in every plane, has low inertia and a friction-free movement through its knife-edged bearings, and adjustable stylus pressure from 0.5-5 grams. It assures faultless reproduction with minimum record wear.

New automatic shut-off. The unit features a new shut-off which automatically stops the turntable and lifts the arm from the record at the end of play. Override manual control is also provided. Wow and flutter are both exceptionally low. Rumble is 60 db weighted.

The chassis is fitted with four hydraulically-damped suspension springs which ensure that the stylus is kept in constantly close contact with the record. The unit is housed on a handsome plinth with friction hinge dust-cover.

When you've put on record all the past achievements that have helped to make the GL 78 what it is to-day you'll be even more confident of your future enjoyment in Hi-Fi.

Specification

Dynamically balanced turntable Viscously damped lowering arm for pick-up.
Turntable speed infinitely variable between 30 and 86 r.p.m. with locations for 16 $\frac{2}{3}$, 33 $\frac{1}{3}$, 45 and 78 r.p.m.
Viscously damped mounting springs
Wow and flutter linear $\pm 0.11\%$
Wow and flutter weighted to DIN 45507 $\pm 0.06\%$
Hum level from magnetic cartridges - 60 dB
Rumble weighted to DIN 45539 - 60 dB
Speed change for a 10% change in mains voltage $\pm 0.2\%$
Maximum deviation of speed using a cartridge tracking at 6 $\mu 0.3\%$
4-pole motor with conical spindle, switchable 110 V/220 V/50 Hz, and also available for 110 V/60 Hz.

Shut-off Switch

The GL78 features a new mechanical shut-off which switches off the unit and raises the pick-up arm at the end of the record. This shut-off mechanism can be disconnected if not required, for example for language courses, by turning the knob to "MANUAL".

Pick-up Arm

Pick-up arm with counterweight, with knife-edged bearings
Adjustable stylus pressure from 0.5-5 gm
Removable plug-in shell of light metal to accommodate most pick-up cartridges
Total length of arm 314 mm
Tracking distance between vertical spindle and turntable spindle 210 mm
Stylus overhang 17.1 mm

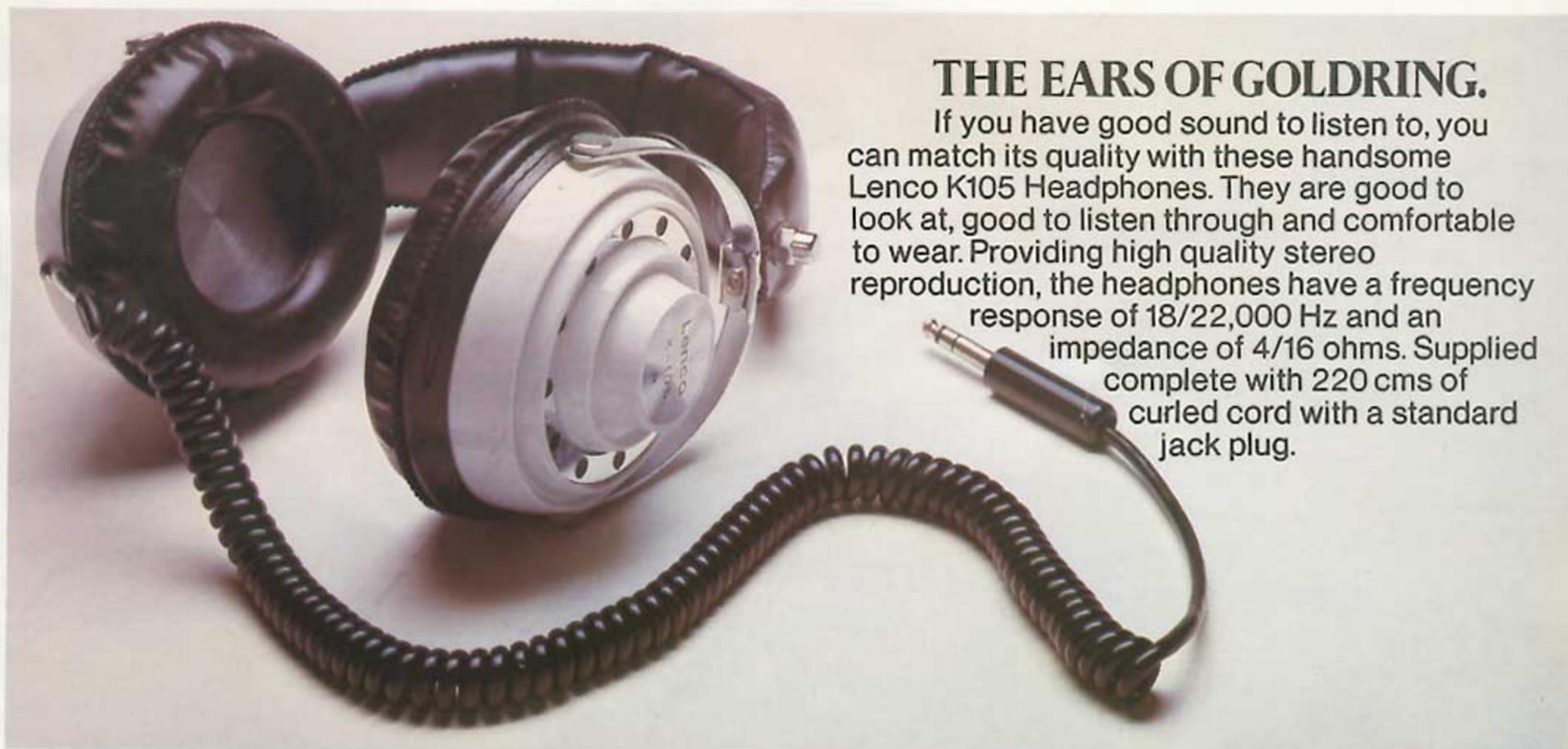
Adjustment for stylus position 12 mm
Tracking angle 23° 12 minutes
Tracking error with correct setting for stylus $\pm 0.8^\circ$

Dimensions

385 x 330 mm
Height required above baseplate 55 mm
Depth required below baseplate 75 mm
Turntable diameter 312 mm

Weights

Balanced die-cast zinc turntable 4 kg
Total weight of chassis 8.5 kg
Total weight of chassis with packing 10.5 kg
Total weight with plinth and cover 12.0 kg
Total weight with plinth and cover and packing 15.2 kg

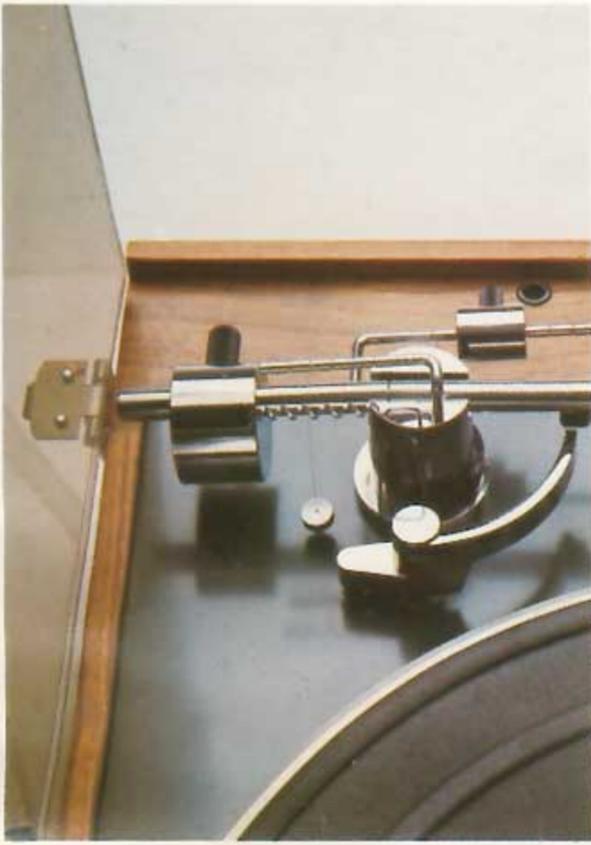


THE EARS OF GOLDRING.

If you have good sound to listen to, you can match its quality with these handsome Lenco K105 Headphones. They are good to look at, good to listen through and comfortable to wear. Providing high quality stereo reproduction, the headphones have a frequency response of 18/22,000 Hz and an impedance of 4/16 ohms. Supplied complete with 220 cms of curled cord with a standard jack plug.



THE GOLDRING-LENCO GL75. THE YARDSTICK.



In every field there's one unit that stands out as the point of reference against which all other equipment is compared.

In Hi-Fi transcription turntables it's the GL75.

A unit that has been around a good while. Deservedly. Its quality and appeal can be further judged by its extensive use in complete units offered by many other manufacturers.

It has gained its universal popularity through its many well-proven features and the Goldring-Lenco reputation for precision engineering.

The drive is the unique Goldring-Lenco constant velocity 4-pole motor, which permits infinitely variable speed adjustment from 86-30 and 18-15 r.p.m.

The GL75 is designed for use with high quality magnetic cartridges such as the Goldring 800 or 820 series.

And the handsome setting does justice to the technical excellence. A luxurious plinth of hand-finished teak and a de-luxe dust cover with satin chrome trim completes a unit that will earn its place in any Hi-Fi enthusiast's system.

Specification

AC mains 200/240 V, 50 Hz.
Mains switch fully click-suppressed
4-pole constant velocity motor (15 VA)
Continuously variable speed adjustment
Adjustable stops for 16 $\frac{2}{3}$, 33 $\frac{1}{3}$, 45 and 78 r.p.m.
9 lb. non-magnetic dynamically balanced turntable
Wow and flutter measured weighted to DIN 45507 0.06%
Rumble measured weighted to DIN 45539 - 60 dB
Speed variation $\pm 0.2\%$ for 10% mains voltage change
Disengagement of idler wheel
Viscously damped pick-up lowering device

Pick-up Arm

Pick-up arm with counterbalance weight, and bias compensation ('anti-skating') adjustment
Knife-edge bearings
Stylus pressure adjustable from 0 - 5 gm, with sliding weight
Minimum stylus pressure: 0.5 gm.
Removable lightweight pick-up headshell
Can accommodate any cartridge
Total length of pick-up arm: 12.4"
Tracking length (distance from pedestal to centre of turntable): 8.3"
Overhang of stylus: 0.675"

Total adjustment for stylus position: 1/2"
Offset angle: 23° 12"
Tracking error: $\pm 0.8^\circ$

Dimensions

Front to back: 13" (33 cm.). Side to side: 15" (38 cm.)
Height above baseplate 2 $\frac{1}{8}$ "
Height below baseplate 2 $\frac{7}{8}$ "

LENCOCLEAN 'L' RECORD CLEANING ARM.

A good transcription arm works even better with a first-class cleaning arm like the Lencoclean 'L'.

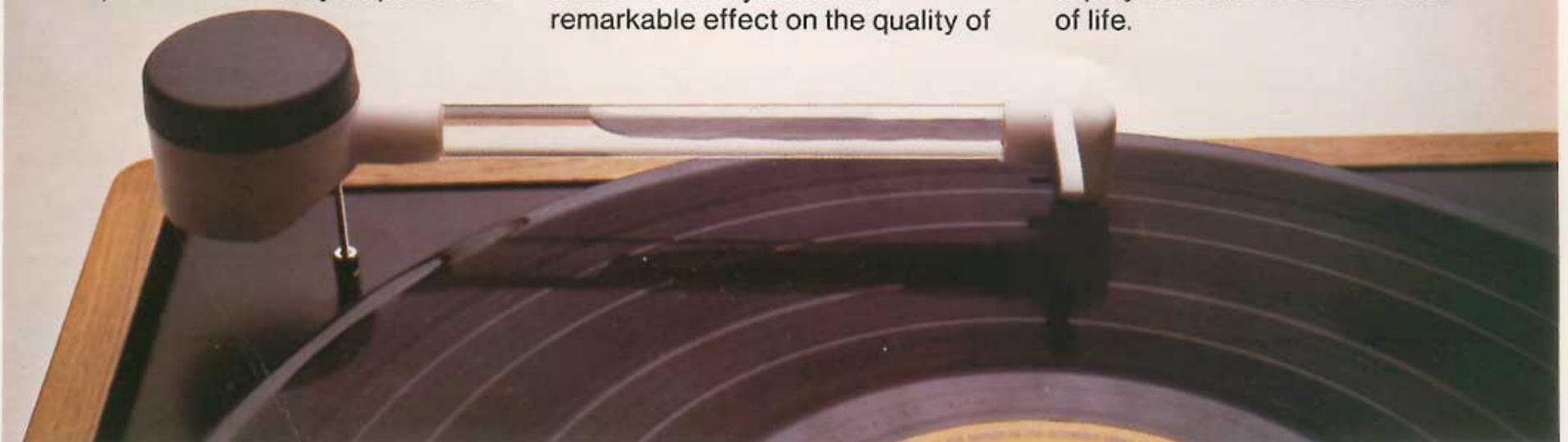
When playing a 12" record the stylus travels over 600 yards. Pressures are exerted on the groove of some 7,000 lb. per square inch, and instantaneous temperature at the stylus point can

reach several hundred degrees centigrade. Under such conditions it is understandable that particles of dust become firmly embedded in the groove and create considerable abrasive resistance to the stylus.

With the Lencoclean, a fine brush dispenses a special liquid ahead of the stylus with a remarkable effect on the quality of

sound and the playing life of both record and stylus.

The cooling action of the wet playing system and the semi-sterile conditions created make an invaluable contribution to record and stylus care, and even records previously rejected as almost unplayable take on a new lease of life.





GL 72
Stereo
Transcription - furtable
GOLDRING
Lenco made in Switzerland

16 33 45 78
PLAY ON

 **GOLDRING**
Lenco

THE GOLDRING-LENCO GL72. PROOF THAT REALLY GOOD HI-FI NEEDN'T BE EXPENSIVE.



Skill, care and precision are standard features of every part of the Goldring-Lenco range.

Irrespective of price.

So a unit like the GL72P, which is not in any sense an expensive turntable, is in every respect a good one.

An attractive teak base carries the precision-made GL72 with its excellent features for ease of control and fine reproduction.

It incorporates continuously-variable speeds from 30 r.p.m. to 86 r.p.m. with pre-set click-in stops at 16²/₃, 33¹/₃, 45, and 78 r.p.m.

It has the lightweight L69 arm which is lowered gently on to the

record by a viscously-damped lowering device.

The bias compensation is simple yet effective, giving you scope to use most quality stereo cartridges.

Specification

Viscously damped pick-up lowering device
Speed adjustment infinitely variable between 30 and 86 r.p.m.
Click-in stops for: 16²/₃, 33¹/₃, 45 and 78 r.p.m.
Wow and flutter according to DIN specification: 0.12%
Variation of speed for a 10% change in mains voltage - 0.3%
4-pole constant velocity motor with conical rotor spindle
AC mains: 50 Hz 200-240 volts
Power consumption at 220 volts - 50 Hz 15 VA

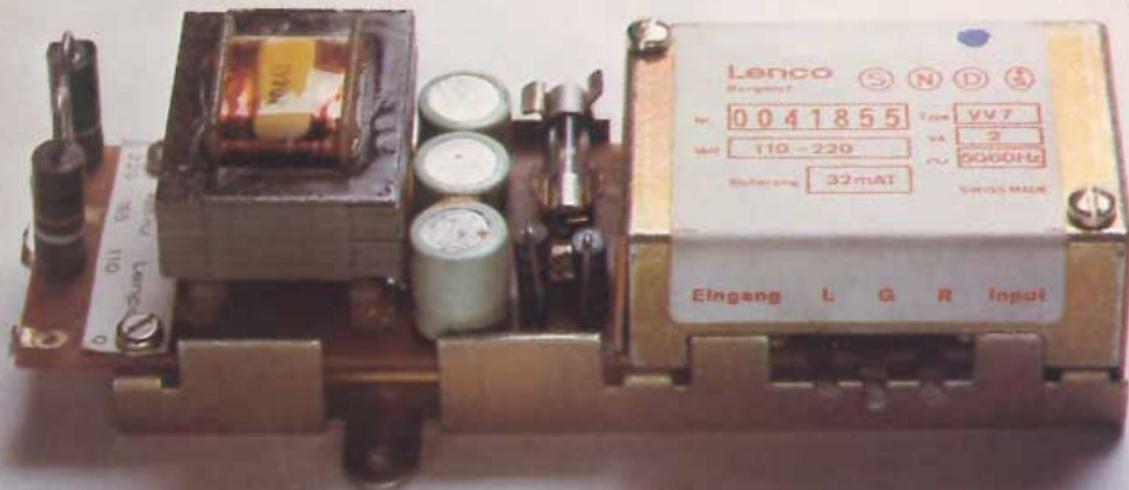
Pick-up Arm

Stylus pressure adjustable from 1/2 gm. with sliding counterweight
Knife edge bearings
Removable lightweight pick-up shell can accommodate any cartridge
Total length of arm: 9³/₈"
Overhang of stylus: 5/8"
Total adjustment for stylus position: 1/2"
Tracking error: from 4³/₄" to 9³/₄" diameter ± 0.8°
Tracking length: 8¹/₄"
Height adjustable

Dimensions (Chassis)

Baseplate: 12" x 15"
Height above baseplate: 2³/₄"
Depth below baseplate: 2¹/₂"
Turntable diameter: 12"
Turntable weight: 3 lbs.

GOLDRING-LENCO VV7 STEREO-EQUALISER PREAMPLIFIER.



Provides a simple and wholly effective answer to the problem of an amplifier too insensitive for today's high quality magnetic cartridges. Small enough to mount with a couple of screws under your turntable, it raises the very low output from the finest magnetic cartridges more than enough to ensure full output from any low-sensitivity amplifier. Correct equalisation is automatic!



THE GOLDRING G101. IT HELPS YOU LISTEN BEYOND YOUR MEANS.



The Goldring 101 PC/MkII is an object lesson in the art of enjoying excellent Hi-Fi within a tight budget.

It is a belt driven and elegant unit designed with the Goldring insistence on precision and quality.

And very economical.

The unit is a two-speed integrated turntable unit – and the pick-up arm is of transcription quality, counterbalanced with a removable plug-in head.

The drive is from a specially-designed low-speed synchronous

motor via a non-stretch belt.

Other features include:

An adjustable anti-skating device.

Viscously damped cue-ing mechanism.

Performance to DIN 45-500. Wow and flutter at 0.2% peak.

Specification

Two speeds, 33 $\frac{1}{3}$ and 45 r.p.m. Viscously damped pick-up lowering device.

16-pole synchronous motor. Drive via non-stretch belt.

Technical Data

Wow and flutter 0.2% to DIN 45-500

Rumble weighted – 60 dB

Pick-up Arm

The pick-up arm is counter balanced with adjustable stylus pressure from 0 - 5P. Removable plug-in shell.

Overall length of arm 11.5"

Tracking length 7.75"

Overhang 0.71"

Tracking error 0° @ 4 $\frac{1}{4}$ " & 2 $\frac{3}{4}$ " radius.

Offset angle 24° 50"

Anti-skating bias compensation.

Dimensions (Chassis)

Baseplate: 14 $\frac{7}{8}$ " x 11 $\frac{1}{8}$ "

Height required above baseplate: 2 $\frac{1}{2}$ "

Height required below baseplate: 1 $\frac{1}{2}$ "

Turntable diameter 10"

Turntable complete with mat

Total weight of unit 8 lbs.

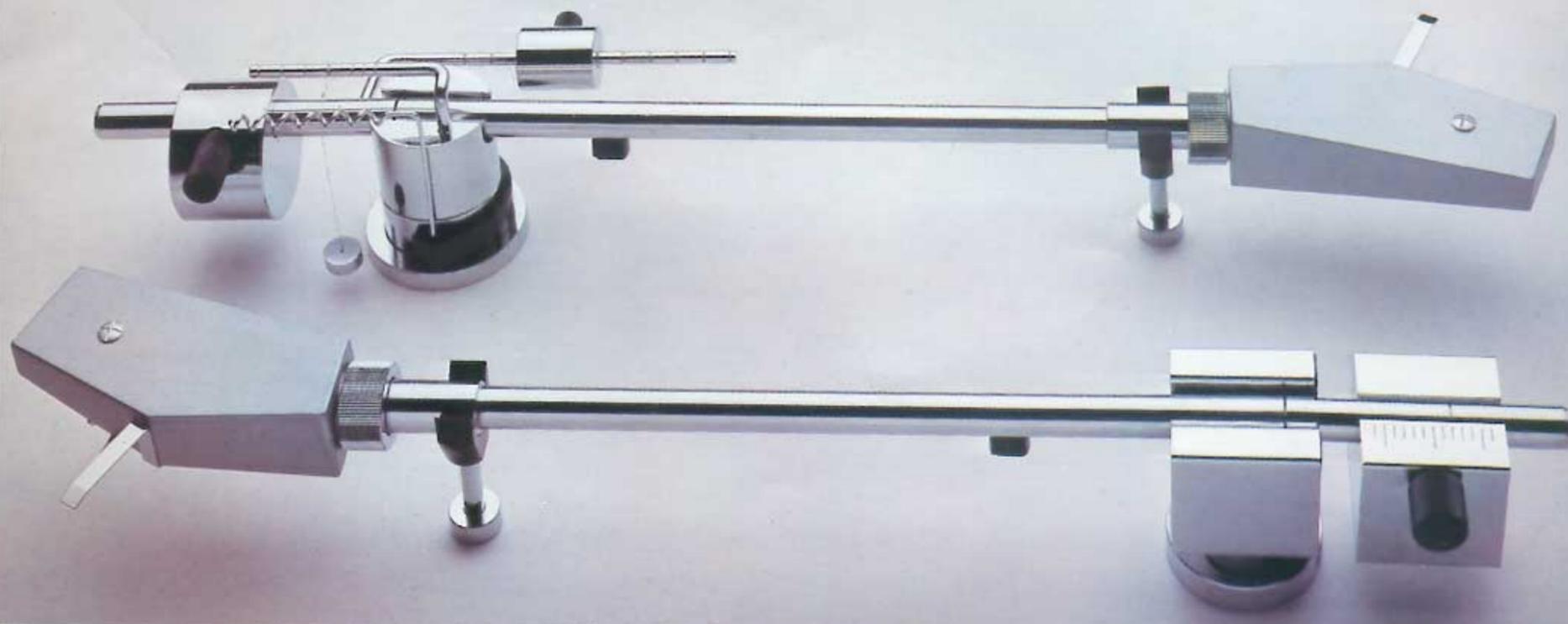
GOLDRING-LENCO PICK-UP ARMS

For those enthusiasts who prefer to hand pick every item in their system, Goldring-Lenco offer their well known L75 and L69 transcription arms as separate units.

L75. A single-hole, easy-to-fit high quality arm, with full height adjustment. Knife-edge bearings ensure virtually frictionless movement and the rear counter-balance is used to

achieve both arm balance and freedom from lateral swing. Stylus pressure is adjustable in steps of 0.5 gram from 0.5 to 5 grams. Bias compensation is achieved by a small suspended weight positioned to suit stylus tip radius and playing weight. Ultra light interchangeable headshell, takes all standard cartridges, to achieve accurate stylus positioning.

L 69 This light weight pick-up arm has a removable plug-in shell for all standard fixing cartridges – mono and stereo. Height of arm and position of stylus in headshell can be adjusted to give optimum tracking. Stylus pressure adjustable by sliding counter-weight.



THE GOLDRING RANGE OF CARTRIDGES.

The well-known Goldring 820 and 800 True Transduction series of cartridges has been developed on the unique "Free Field" principle which allows even the

most delicate groove-stored signals to be faithfully relayed and re-created with uncompromising precision.

All cartridges in the range are

well-screened against hum and have easily replaceable stylus systems. All have standard 1/2" fixing centres.



820 Super 'E'



800 Super 'E'



850



820 E



800 E



CS 90



820



800



CS 91 E

820 Super E

For the perfectionist, the 820 Super E approaches the ultimate in tracking capability. Supplied with an individual calibration certificate.

820 E

For transcription quality arms, the 820E with bi-radial stylus provides superlative performance in the re-creation of original sound.

820

A cartridge with spherical stylus, designed to provide exceptional performance in standard arms and changers, giving high fidelity in rigorous service.

800 Super E

For superb reproduction. The 800SE will have instant appeal for the enthusiast who demands maximum tracking capability. Supplied with individual calibration certificate.

800E

Designed for transcription arms with micro-elliptical diamond. Recreates the finer, subtler shades of sound.

800

Designed for standard arms and changers where the requirements of high fidelity and robustness are usually in conflict.

850

Designed for budget systems, the 850 offers all the advantages of a good quality magnetic cartridge at a very attractive price.

CS90/CS91E

Stereo ceramic cartridges with excellent frequency response and cross-talk separation. These cartridges can be played at low tracking weights.

800H

For inexpensive changers to track between 2.5-4.0 grams, the 800H has a high output of at least 8mV.

	800	800H	800 E	800 Super 'E'	820	820 E	820 Super 'E'	850	CS 90	CS 91 E
Frequency Range	20Hz to 20kHz	20Hz to 20kHz	10Hz to 23kHz	10Hz to 25kHz	20Hz to 20kHz	10Hz to 23kHz	10Hz to 25kHz	20Hz to 18kHz	30Hz to 20kHz	30Hz to 20kHz
Output at 5cm/sec	5mV	8mV	5mV	4mV	5mV	5mV	4mV	8mV	400mV	150mV
Rec. Load	47-100k/ Ohms	47-100k/ Ohms	47-100k/ Ohms	47-100k/ Ohms	47-100k/ Ohms	47-100k/ Ohms	47-100k/ Ohms	47-100k/ Ohms	1-2m/ Ohms	1-2m/ Ohms
Separation at 1kHz minimum	20dB	20dB	20dB	25dB	20dB	20dB	25dB	20dB	20dB	20dB
Playing weight range	1.5 to 3.5 gm	2.5 to 4.0 gm	0.75 to 1.75 gm	0.5 to 1.25 gm	1.5 to 4.0 gm	0.75 to 2.0 gm	0.6 to 1.75 gm	2.5 to 4.0 gm	3.0 to 6.0 gm	2.0 to 4.0 gm
Rec. playing weight	2.5 gm	3.0 gm	1.5 gm	1.25 gm	2.0 gm	1.5 gm	1.25 gm	3.5 gm	3.5 gm	3.0 gm
Stylus Point Radius	0.0005"	0.0007"	Bi-radial 0.0007" x 0.0003"	Bi-radial 0.0007" x 0.0003"	0.0006"	Bi-radial 0.0007" x 0.0003"	Bi-radial 0.0007" x 0.0003"	0.0007"	0.0005" or 0.0007"	Bi-radial 0.0007" x 0.0003"
Replacement stylus	D110 White	D110H Red	D110E Grey	D110E Grey SE	D130 Lavender	D130E Beige	D130 Yellow SE	D120 Red	D90 0.0005-Blue or 0.0007-Black	D94E

Goldring-Lenco design engineers are constantly reviewing market requirements, and the Company reserves the right to modify the design of its products at any time.

Goldring

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