



Labgear

aerials
& accessories

LABGEAR LTD CROMWELL ROAD CAMBRIDGE tel 47301

Band I, II & III Aerials

Combined I & III Aerials

Band IV & V UHF Aerials

Pre-amplifiers

When ORDERING - state Catalogue Number, Channels required and Polarisation

Installation Equipment

LISTED BELOW ARE ALL THE TELEVISION TRANSMITTER STATIONS WITH THEIR LOCATION, CHANNEL AND POLARISATION, INCLUDING THE PROPOSED CHANNEL ALLOCATION FOR 625/UHF.

BBC 1 Stations

ITV 1 Stations

STATION	LOCATION	CH.	POL.	STATION	LOCATION	CH.	POL.
Ashkirk	Selkirk	1	V	Meldrum	Aberdeen	4	H
Ballachulish	Argyll	2	V	Morecombe Bay	Lancashire	3	H
Blaen-plwyf	Cardiganshire	3	H	North Hessary Tor	Devon	2	V
Brighton	Sussex	2	V	Oban	Argyll	4	V
Crystal Palace	London	1	V	Okehampton	Devon	4	V
Divis	Antrim	1	H	Orkney	Orkney Isles	5	V
Douglas	Isle of Man	5	V	Oxford	Oxon	2	H
Dover	Kent	2	V	Peterborough	Northamptonshire	5	H
Eastbourne	Sussex	5	V	Pontop Pike	Durham	5	H
Enniskillen	Co. Fermanagh	5	V	Redruth	Cornwall	1	H
Folkestone	Kent	4	H	Rosemarkie	Ross - shire	2	H
Fort William	Inverness	5	H	Rowridge	Isle of Wight	3	V
Hastings	Sussex	4	H	Sandale	Cumberland	4	H
Haverfordwest	Pembrokeshire	4	H	Sheffield	Yorkshire	1	H
Holme Moss	Yorkshire	2	V	Shetland	Shetland Isles	3	V
Holyhead	Anglesey	4	H	Skegness	Lincolnshire	1	H
Kinlochleven	Argyll	1	V	Sutton Coldfield	Warwickshire	4	V
Kirk o'Shotts	Lanarkshire	3	V	Swindon	Wiltshire	3	H
Les Platons	Channel Isles	4	H	Tacolneston	Norfolk	3	H
Llanddona	Anglesey	1	V	Thrumster	Caithness	1	V
Llandrindod Wells	Radnor	1	H	Ventnor	Isle of Wight	5	H
Londonderry	Londonderry	2	H	Wenvoe	Glamorgan	{ 5 V }	
Manningtree	Essex	4	H	Winter Hill	Lancashire	{ 13 V }	
						12	V

STATION	LOCATION	CH.	POL.
Arfon	Caernarvonshire	10	H
Black Hill	Mid Scotland	10	V
Black Mountain	Belfast	9	H
Burnhope	Co. Durham	8	H
Caldbeck	Carlisle	11	H
Caradon Hill	Cornwall	12	V
Chillerton Down	Isle of Wight	11	V
Croydon	London	9	V
Dover	East Kent	10	V
Durris	Aberdeen	9	H
Emley Moor	Yorkshire	10	V
Fremont Point	Jersey	9	H
Lichfield	Midlands	8	V
Mendlesham	East Anglia	11	H
Moel-y-Parc	North East Wales	11	V
Mounteagle	Inverness	12	H
Presely	Pembrokeshire	8	H
St. Hilary	Wales	10	V
Selkirk	Scotland (South)	13	V
Stockland Hill	East Devon	9	V
Strabane	Londonderry	8	V
Winter Hill	Lancashire	9	V

PROPOSED 625/UHF STATIONS

THE PROVISIONAL ALLOCATION OF CHANNELS IS LISTED BELOW.

1964

London	23	26	30	<u>33</u>
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1965

Belfast	21	24	<u>27</u>	31
Birmingham	<u>40</u>	43	46	50
Durham	54	58	61	<u>64</u>
Isle of Wight	21	24	31	<u>41</u>
Lancashire	40	43	<u>46</u>	50
Lancashire(South)	55	59	<u>62</u>	65
Wales(South)	41	<u>44</u>	47	51
Yorkshire(South)	41	44	47	<u>51</u>

1966/67

Anglesey	53	57	60	<u>63</u>
Bristol	54	58	61	<u>64</u>
Kent(South-East)	50	53	56	<u>68</u>
Kincardine	22	25	<u>28</u>	32
Norfolk	<u>55</u>	59	62	65
Northampton	<u>53</u>	57	60	<u>63</u>
Nottinghamshire	54	58	61	<u>64</u>
Suffolk	41	<u>44</u>	47	51
Yorkshire(North)	23	<u>26</u>	29	33

NOT YET ANNOUNCED

Antrim(North)	55	59	62	65
Argyllshire	22	25	28	32
Armagh	54	58	61	64
Ayrshire	23	26	29	33
Banff	23	26	29	33
Buchan	41	44	47	51
Caernarvonshire	41	44	47	51
Caithness	21	24	27	31
Cardiganshire	21	24	27	31
Carmarthenshire	53	57	60	63
Cornwall(East)	22	25	28	32
Cornwall(West)	41	44	47	51
Cumberland	22	25	28	32
Devon(East)	23	26	29	33
Devon(North)	55	59	62	65
Devon(South)	53	57	60	63
Dorset	40	43	50	67
Dumbarton	54	58	61	64
East Lothian	21	24	27	31
Fermanagh	22	25	28	32
Flintshire	39	42	45	49
Guernsey	48	52	54	56
Hampshire	39	42	45	68

Herefordshire	22	25	28	32
Huntingdon	21	24	27	31
Inverness	39	42	45	49
Isle of Man	30	34	48	52
Jersey	41	44	47	51
Kent(North)	40	43	46	65
Kirkcudbrightshire	41	44	47	51
Lancs(North)	40	43	46	56
Lewes	23	26	29	33
Lincolnshire(East)	22	25	28	32
Londonderry	41	44	47	51
Northumberland	39	42	45	49
Orkney	40	43	46	50
Pembrokeshire	40	43	46	50
Perthshire	53	57	60	63
Selkirkshire	55	59	62	65
Shetland	32	34	45	49
Staffordshire	23	26	29	33
Sussex(East)	49	52	64	67
Sussex(West)	27	55	58	66
Yorks(East)	53	57	60	63
Yorks(West)	21	24	27	31
Wigtown	53	57	60	63

LABGEAR LTD CROMWELL ROAD CAMBRIDGE tel 47301

Band I



106AF 118
Single dipole

27/6



109
3-Element array
with folded dipole

90/-



111
Narrow spaced H

42/6



112
Wide spaced H

50/-



113
4-Element array
with folded dipole

110/-



~~115~~
119 High gain
"X" array

42/6

Band II



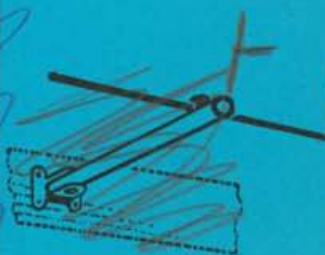
202
Dipole with single
reflector

31/-



203
3-Element array
with folded dipole

55/-



205 W 120
Dipole with
cranked arm
and wall bracket

13/-

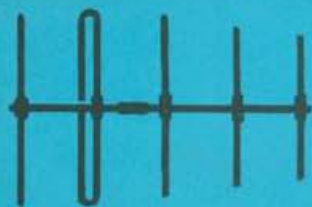


205 L
Dipole for
loft mounting

9/-

120

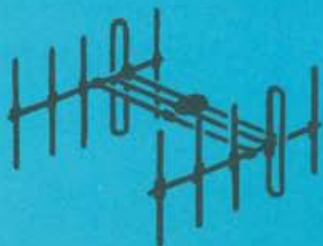
Band III



308

5-Element wide spaced array

308/2
32/6



309

Double, 5-Element wide spaced array - heavy duty - gale proof

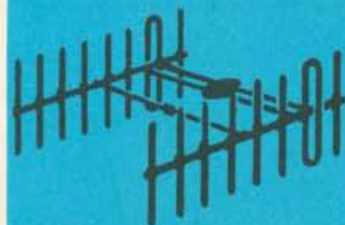
79/6



310

8-Element wide spaced array - heavy duty - gale proof

50/-



311

Double 8-Element wide spaced array - heavy duty - gale proof

125/-



334 ² *light*

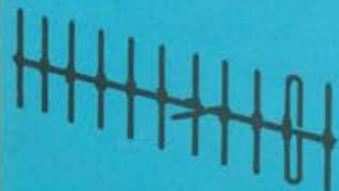
5-Element light weight loft array with support

28/-

Labgear

aerials

leaders in design —
leaders in performance



336

11-Element array designed to eliminate forward ghosting

Horizontal

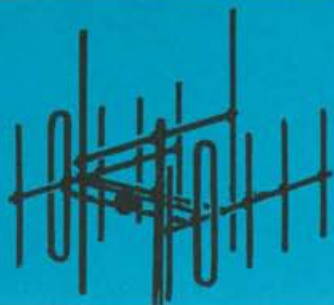
Vertical

75/-
85/-

SEE PAGE 13

FOR DETAILS OF CLAMPS AND LASHINGS

Band I, II & III Aerials



C12

Wide spaced H
and double 5

150/-



C16

Spacematch, wide
band array, covers all
channels in Bands
I and III

70/-



C17

Spacematch, wide band
array, covers all channels
in Band III, and any one
specified Band I
channel

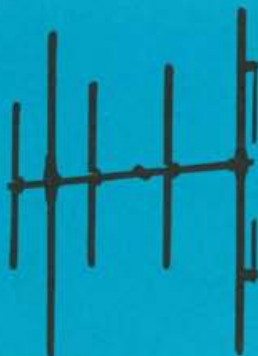
85/-



C24

In - Line array,
equivalent to
dipole + 5

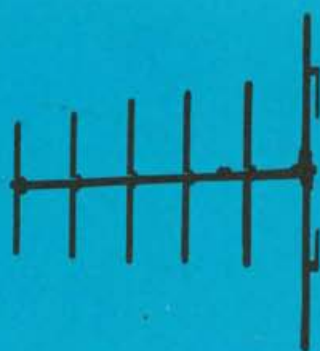
49/6



C25

In - Line array,
equivalent to
'H' + 5

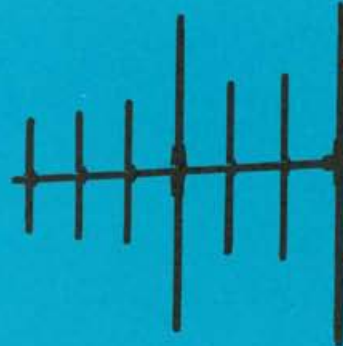
57/6



C26

In - Line array,
equivalent to
dipole + 7

63/-



C27

In - Line array,
equivalent to
'H' + 7

75/-



~~C31~~

142

X + 4 array with
pivot for orthogonal
orientation

71/-

Labgear

AERIALS -

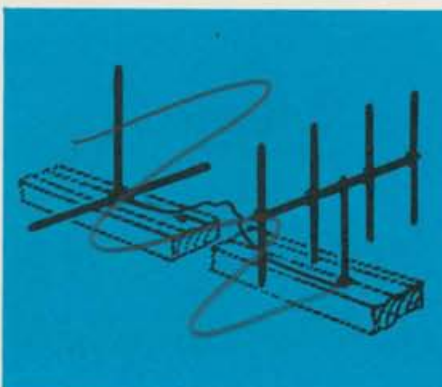
*
C43



~~C 32~~
C44

X + 7 array with
pivot for orthogonal
orientation

87/6



~~C 33~~ C41

Band I/III loft aerial with
independently manouverable
sections.

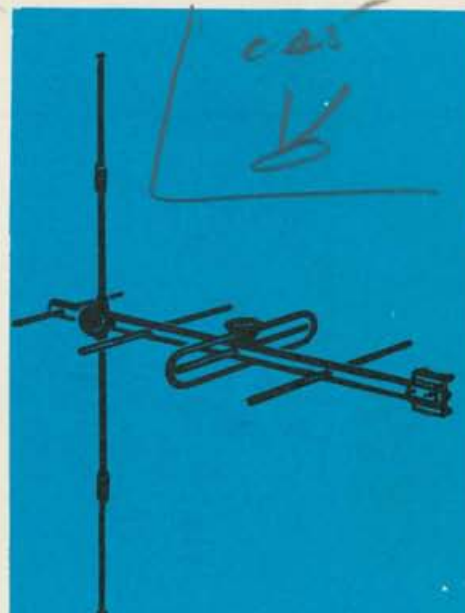
42/-



C 37

Dual-band
ROOM-ROD aerial
complete with
cable & plug

18/6



TB-4/I

Tri-Band for Bands
I, III and IV (or V).
Dual band VHF dipole
plus 4-element
UHF array.

39/-

TB-4/W

Wall Mounting
version

39/6

- for better brighter TELEVISION

Combined I & III Aerials

UHF Aerials



UHF-4 Gain 7 dB
 F/B Ratio 18 dB
 Acceptance Angle .. 60° 25/-

UHF 4/L Loft-Mounting version 28/-
UHF-4/W Wall-Mounting version 25/6



4-A0
 A 4- Element extension unit
 for the UHF-7 7

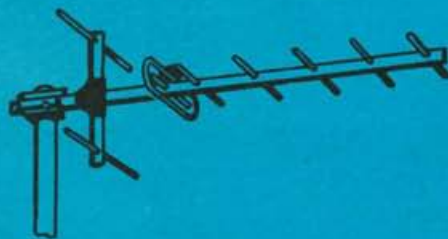
12/-



UHF-7
 Gain 9.5 dB
 F/B Ratio 20 dB
 Acceptance Angle..... 45° 30/-

UHF-7+4-A0
 Gain..... 11.5 dB

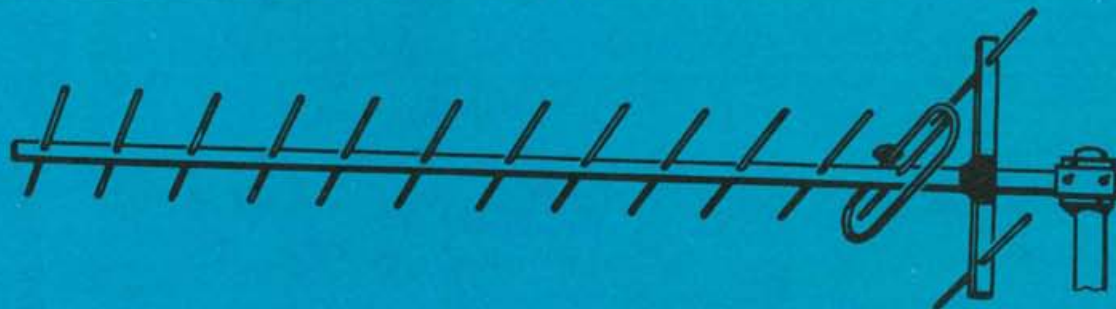
42/-



UHF-8 Gain 10 dB
 F/B Ratio 25 dB
 Acceptance Angle - 45°

..... 36/-

UHF-8/L Loft Mounting 39/-



UHF-14
 Gain 13 dB
 F/B Ratio 25 dB
 Acceptance Angle - 35°

..... 44/-

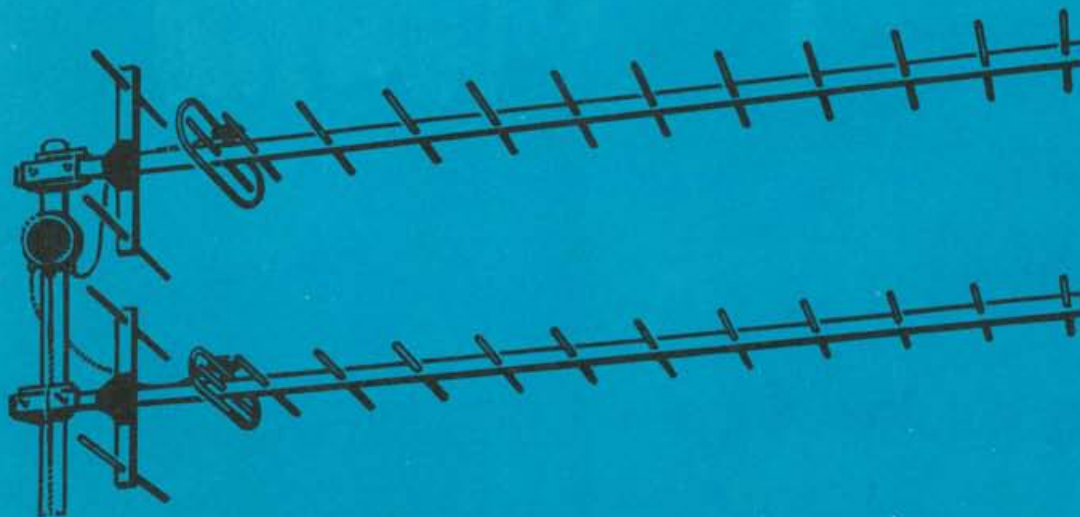
UHF-14/L
 Loft Mounting version

..... 47/-



UHF-18 UHF-14 plus 4-AO
 Gain 15 dB
 F/B Ratio 25 dB
 Acceptance Angle 30° 56/-

DB/UHF-18 Double UHF-14 + double 4-AO+special Booster
 Gain ... 18 dB (+ 14 dB) 217/-

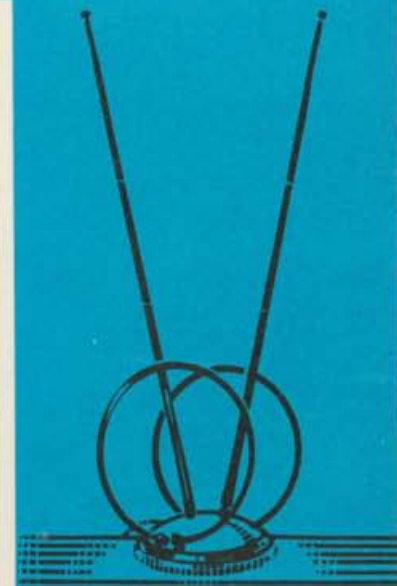


DB/UHF-14 Double UHF-14 + special Booster
 Gain 16 dB (+14 dB)

F/B ratio 25 dB
 Acceptance Angle 35° 193/-



UHF-2
 Magic Circle
 Gain 6.5 dB 25/-



C39 Double Star
 for VHF and UHF
 45/-

INDOOR

A standard plastic moulding is used for all setback Boosters and mains power supplies.

E 5129



E 5129

VHF SUPER BOOSTER

This is pre-tuned to channel required on Band I but is broad bandtuned on Band III. The Booster is battery operated either by a small internal battery (PP4 type) or using the extension lead provided a larger (PP9 type) battery may be used.

Price: £ 3.15.0

E 5130

UHF SUPER BOOSTER

This is broad band tuned to cover at least 10 adjacent UHF channels. Three versions are available; type E5130/A for Ch. 23-33, E5130/B for Ch. 39-51, E5130/C for Ch. 49-68, and have a gain of approx. 14 dB. This Booster is also battery powered using similar battery to model E5129.

Price: £ 3.15.0

MASTHEAD

E 5122



E 5122

625/UHF SIGNAL BOOSTER

A masthead Booster for 625 UHF reception which is mounted in a water-proof plastic moulding on a plate drilled to allow it to be clamped with the aerial fixing bracket. The Booster is transistorised with a gain of 14 dB powered by a separate mains or battery unit via the co-axial feeder cable.

Three versions are available; E5122/A for Ch. 23-33, E5122/B for Ch. 39-51, E5122/C for Ch. 49-68.

Price: £ 5.5.0

E 5133

UHF POWER BOOSTER

Although basically the same as the E5130 this has an integral mains power supply.

Price: £ 4. 17. 6

E 5123

MAINS POWER UNIT FOR E5122

is series operated by the TV receiver mains feed. The design incorporates zener diode stabilisation and has an isolation circuit for injecting DC into the feeder for powering the Booster.

Price: £ 3. 15. 0

E 5127

MAINS POWER UNIT FOR E5122

This unit is basically the same as the E5123 but it is parallel operated, having a mains transformer with a standard 200-240V primary.

Price: £ 3. 15. 0

CN 13

DIPLEXER

Diplexer for Band I and III

Price: 11/6

CN 911

3 - CHANNEL DIPLEXER

Designed especially for those parts of the country where it is possible to receive one BBC and two ITV programmes. This unit feeds three stations to the receiver on a single down lead, eliminating the cost of an extra feeder lead or the inconvenience of changing leads at the receiver or using a switching device.

Price: 30/-

E 5124

BATTERY UNIT

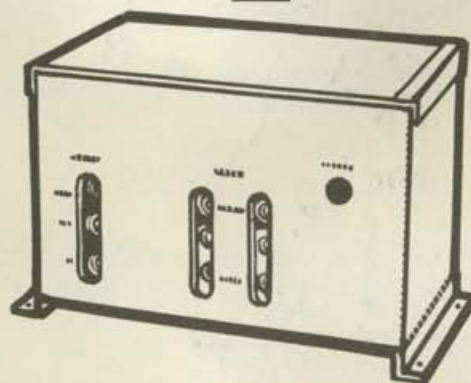
A battery container with a connecting plate and isolation circuit for injecting DC into the aerial feeder for powering the E5122 625/UHF Signal Booster. This unit is supplied complete with co-axial sockets for quick installation and requires two 9V batteries (PP9 type) the average life of which for this application is approximately three months.

Price, less batteries: 17/6

E 5054 DISTRIBUTION AMPLIFIER

A single stage dual - band Distribution Amplifier with an A.C. mains consumption of only 12 Watts. Six output sockets are provided with sufficient isolation between each to prevent interaction between the Television Receivers. Four outputs are of unity gain, and the other two provide a gain on both Band I and III of approx 4 dB, thus compensating for feeder losses on longer runs.

Net Trade Price: £7.19.6



E 5054



E 5126

E 5126 UHF DISTRIBUTION AMPLIFIER

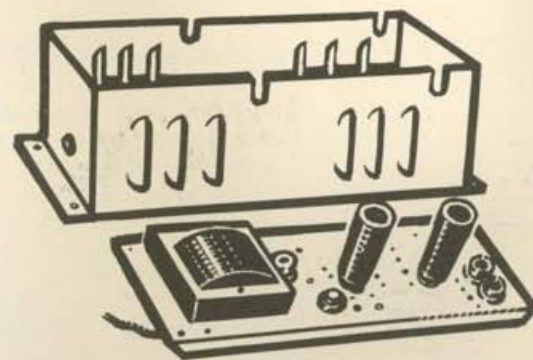
A fully transistorised Distribution Amplifier for UHF transmissions with a self-contained mains power unit incorporating a switched supply for a Labgear Masthead Booster, (E5122). The latest low-noise transistor techniques are used, and the overall gain is 26 dB. The unit incorporates a 6-way splitter giving 6 dB gain on each output. The mains supply is fully fused and completely safe for continuous operation.

Retail Price: £13.0.0

E 5055 DISTRIBUTION AMPLIFIER

A two stage dual-band amplifier with an A.C. mains consumption of approx 20 Watts. It has separate inputs for Band I and III and a common co-axial output socket. There is provision for signal equalisation. The overall gain is 36 dB.

Net Trade Price: £14.10.0



E 5055

Signal Strength Meters

E 5108 U.H.F. SIGNAL STRENGTH METER

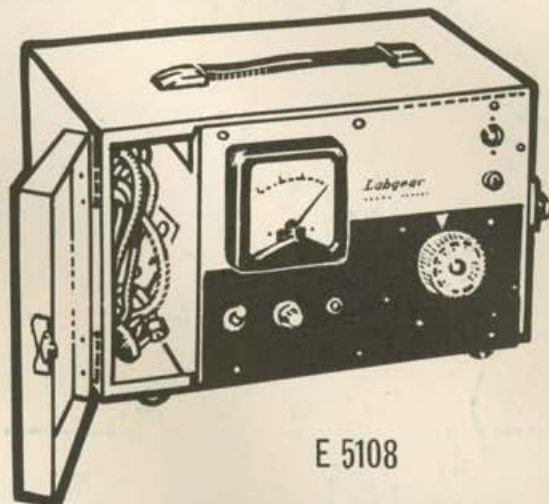
A Signal Strength Meter intended for measuring Band IV and V television signals. It is invaluable when siting and orientating a U.H.F. aerial. The instrument uses a standard receiver U.H.F. tuner so as to present a similar termination to the feeder as the TV receiver itself. The meter is directly calibrated. The instrument is suitable for all areas where UHF TV transmissions are receivable.

Frequency Range: 470-850 Mc/s

Sensitivity: 10 Microvolts-10 Millivolts

Input Socket: 75 Ohms co-axial

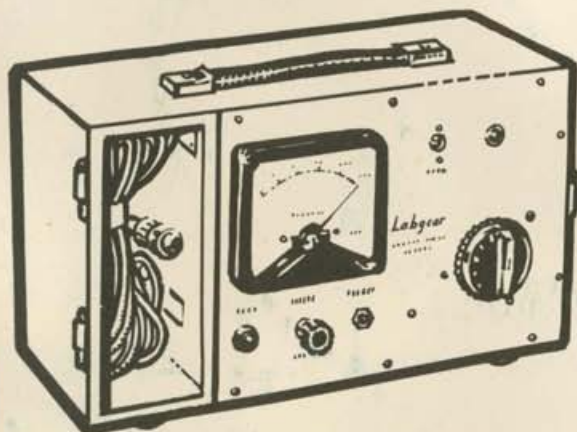
Net Trade Price: £45.0.0



E 5108

Labgear

aerials
& accessories



E 5107/B

E 5107/B V.H.F. SIGNAL STRENGTH METER

A Signal Strength intended for measuring Band I and III Television Signals. It is invaluable when siting and orientating aerials; also for checking existing installations which are giving trouble. The instrument uses a standard TV tuner so as to present a similar termination to the feeder as the TV receiver itself. The meter is directly calibrated, and the instrument is suitable for all areas where VHF TV transmissions are receivable.

Frequency Range: British Channels 1-13

Sensitivity: 10 microvolts-
10 millivolts

Input Socket: 75 Ohms co-axial

Net Trade Price: £40.0.0

MASTS AND LASHINGS

MASTS

6' x 1½" Heavy Duty Alloy	
Type MX	35/-
9' x 1½" Heavy Duty Alloy	
Type MX1	52/6
12' x 2" Heavy Duty Alloy	
Type MX3	70/-
16' x 2" Heavy Duty Alloy	
Type MX4	90/-
Cranked Arm Type Z2	17/6
Cranked Arm Type A.F.	17/6

LASHINGS

6' Single Lashing, Type LX	30/-
12' Single Lashing, Type LX1	35/-
12' Double Lashing, Type LX3	40/-

When ORDERING - state Catalogue Number, Channels required and Polarisation

Installation Equipment

notes

Universal 1" - 2" pole clamp - DB2	3/6
Swivel clamp for wall/loft - WB2	7/6
Loft clamp and support - LB2	5/6
2-way diplexer bands I and III CN13 -	11/6
3-way diplexer bands I and 9 and 14 - CN911	30/-

In the interests of progress, we reserve the right
to alter our specifications without prior notice.

LABGEAR LTD CROMWELL ROAD CAMBRIDGE tel 47301



Labgear

manufacturers of Britain's most advanced Television Aerials

for your
LABGEAR literature