



EASTERN ELECTRONICS
ELECTRICAL & COMMUNICATION ENGINEERS

HEAD OFFICE & FACTORY : FARIDABAD (GURGAON DISTRICT)
DELHI OFFICE & SHOW ROOM : LAKSHMI BUILDINGS, NEW DELHI-1

ALL CORRESPONDENCE TO HEAD OFFICE

INSTRUMENT DIVISION

DIRECTOR & CHIEF ENGINEER :

N. BALASUNDARAM

B.S.C., A.M.I.E.E., SR. M.I.R.E.

DATE 15 Sept. 58.

REF: 6630

Dr.K.S. Krishnan,
Director,
National Physical Laboratory,
Hillside Rd.,
New Delhi-12.

METRIMPEX ELECTRONIC MEASURING INSTRUMENTS.

Gentlemen,

We take pleasure in informing you that we have been appointed as the sole representatives of Metrimpex, Hungarian Trading Company for Instruments, BUDAPEST, for their Electronic Instruments consisting of:

1. Radiotechnical measuring instruments for Laboratories; factories, servicing stations and amateurs,
2. Measuring instruments for the testing of Telephone and telecommunication equipments,
3. Microwave measuring instruments for the testing of radar and multi-channel equipments,
4. Industrial measuring instruments:-Ferrotester-Magnetic steel sorter-Piezoelectrical double-beam pressure indicator-pH-Meters-Microphotometers and Densitometers.
5. Nucleonic instruments:-Various radiation meters for laboratory and industrial purposes,
6. Moisture meters for grains,
7. Humidity meters for timber.

We are enclosing herewith complete list of instruments of Metrimpex manufacture for which we are distributors in this country.

Some of these instruments were recently exhibited to an invited technical audience in Bombay, Calcutta and Delhi. They received wide acclaim because of their versatile features and specifications. Detailed specification sheet on all instruments

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are available with us. We are sure you are in need of one or more of these instruments. If, so, please let us know and we shall send to you the details.

Probably you want some of these instruments immediately and only acute foreign exchange position stands in your way to get the necessary permission or import licence to import these equipments from abroad. But we have immense pleasure in informing you that we have in ready stock few instruments a list of which is enclosed herewith. The prices are indicated against each item. Other details regarding sales etc. are given at the end of the list. As you will note, the stock is exceedingly meagre and as we have to proceed to supply in the strict order of priority of receiving orders, we hope, you will place your orders for your requirements immediately.

Some of these instruments are available for demonstration at our Delhi office Room No. 13, Lakshmi Bldg., Ajmeri Gate Extension Area, New Delhi.

Thanking you and hoping for the pleasure of hearing from you, we are,

Yours faithfully,
for EASTERN ELECTRONICS,



(N. BALASUNDARAM)

Encs:2.



LIST OF METRIMPEX INSTRUMENTS AVAILABLE EX. STOCK - DATED 15-9-1958.

Name and type of instrument	Quantity available	Price per piece
1. H. F. Laboratory Standard Signal Generator Type 1163 85 Kc to 35 Mc	2	2008.00
2. Wide Range Generator Type 1132 50 c/s to 7 Mc	2	4168.00
3. Audio Frequency Oscillator Type 1113/B 20 c/s to 20 Kc	1	2085.00
4. Double beam Cathode - ray Oscilloscope Type 1551 20 c/s to 5 Mc	2	4371.00
5. ORIPONS Workshop Measuring bridge Type 1432/B 0.5 ohms to 10 Mohms, 50 PF to 1,000 MF.	1	559.00
6. Cathode - ray Oscilloscope Type 1534 20 c/s to 300 Kc.	2	1201.00
7. Servotest Cathode - ray Oscilloscope Type 1931 30 c/s to 100 Kc.	2	480.00
8. Servotest L. F. Oscillator Type 1925 20 c/s to 20 Kc	1	382.00
9. Telephone Technical universal measuring bridge Type 272/S	2	2685.00
10. Bridge for measuring mutual capacity Type 1436/S 50 pF to 221 nF, 0 to 261 ohms.	2	4544.00
11. Capacitive coupling measuring instrument Type 1725/S, measuring frequency 800 c/s	2	6654.00
12. Cable fault locator by d. c. and a. c. measurement Type 773	1	8477.00
13. Frequency measuring bridge type 1621/S 30 c/s 200 Kc.	2	5117.00
14. Microwave Signal Generator, Type 1271 1800 to 4000 Mc	1	6710.00
15. Microwave Receiver Type 1691 2700 to 3100 Mc.	2	3072.00
16. Standingwave indicator & 1000 c/s Amplifier Type 1313	1	1384.00
17. Wide Range Frequency Meter type 1642 1800 to 4000 Mc	1	608.00
18. Precision Cavity Resonator type 1662 2650 to 3150 Mc.	2	2034.00
19. Klystron Cavity type 1661 about 2900 Mc.	2	332.00
20. Standing wave measuring kit type 1653 500 to 4000 Mc	2	3482.00
21. Micro wave Power Meter type 1382/B 0.03 to 5 mW	1	3898.00
22. Micro wave Decade Attenuator type 1780 1800 to 4000 Mc	1	1060.00
23. Lead Shielding for isotope measurement type 1891	1	1060.00
24. Remote Pipetting Device Type 1893	1	354.00
25. Strain measuring bridge type 2353 for static and dynamic strain measurement.	1	2117.00
26. Measuring Gauge Type 2359 120, 350 & 600 ohms.	20	6.00
27. Low Frequency Industrial Oscilloscope Type 1538 0.1 10,000 c/s		2558.00
28. ORISTROB Stroboscope Type 2371/B 600 to 15000 rev. p. min.	1	864.00

Name and type of instrument	Quantity available	Price per piece
29. Steelsorter for testing of steel by comparison measurement type 2733/S	1	1760.00
30. Ferrotester for ferromagnetic iron tests on basis of the hysteresis loop, Type 2738/S	1	5264.00

- NOTE:—
- The above prices are ex-go-down, New Delhi. Packing, forwarding, Insurance etc. will be extra at cost.
 - Sales Tax at the rate of 7% will be charged (unless the party is registered under the Central Sales Tax Act for these equipments and furnishes valid from 'C' when the Sales Tax will be @ 1%)
 - The above prices are calculated on the basis of 40% duty on the CIF prices. If within 3 months after sale the Customs demand any excess duty on this, the buyer is liable to pay.
 - All other conditions of sales are as per our standard conditions of sale.

31. Oscilloscope Type 1991 30 cm	2	480.00
32. Oscilloscope Type 1991 30 cm	1	383.00
33. Oscilloscope Type 1991 30 cm	2	2683.00
34. Bridge for measuring mutual capacity Type 1436/2 30 pf to 251 pf 0 to 501 ohms	2	4544.00
35. Capacitive coupling measuring instrument Type 1725/2 measuring frequency 800 cps	2	6634.00
36. Cable fault locator type d.c. and a.c. measurement Type 177	1	8437.00
37. Frequency measuring bridge type 1691/2 50 ohm 200 Kc	2	3117.00
38. Microwave Signal Generator Type 1771 1800 to 4000 Mc	1	6710.00
39. Microwave receiver Type 1691 3700 to 4100 Mc	2	3072.00
40. Standing wave indicator & SWR type 1313	1	1384.00
41. Wave Ratio Frequency Meter type 1642 1800 to 4000 Mc	1	608.00
42. Precision Cavity Resonator type 1762 3670 to 3130 Mc	2	2034.00
43. Klystron Cavity type 1681 about 1900 Mc	2	332.00
44. Standing wave measuring kit type 1672 500 to 4000 Mc	2	3432.00
45. Microwave Power Meter type 1522/B 0.08 to 2 mW	1	3398.00
46. Microwave Diode Amplifier type 1780 1800 to 3000 Mc	1	1000.00
47. Lead shielding for isotope measurement type 1891	1	1060.00
48. Remote Monitoring Device Type 1587	1	324.00
49. Strain measuring bridge type 1793 for static and dynamic strain measurement	1	2117.00
50. Measuring Gauge Type 2338 120, 350 & 600 ohms	20	6.00

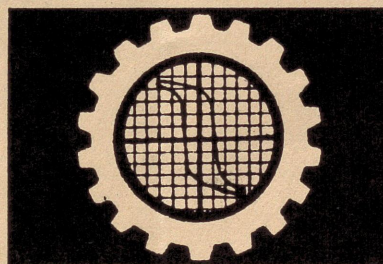
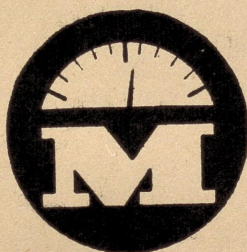
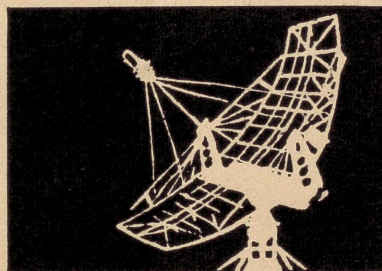
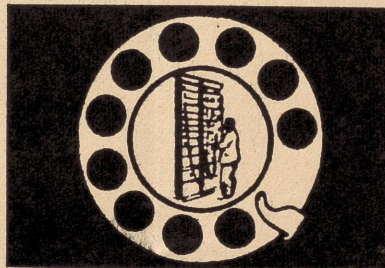
EASTERN ELECTRONICS - FARIDABAD.
 (SHOW ROOM - 13, LAKSHMI BLDG., A.G.E.A. NEW DELHI)

Price List for Electronic Measuring Instruments

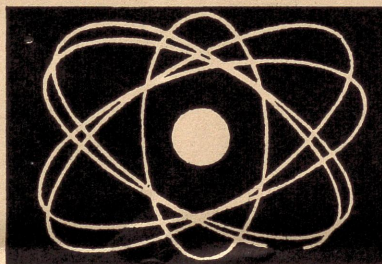


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METRIMPEX
B U D A P E S T

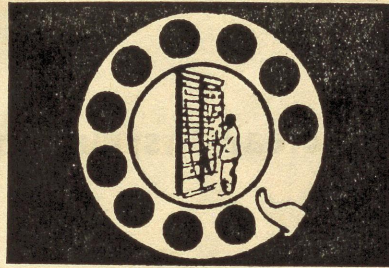




Instruments for Radio and TV Purposes.

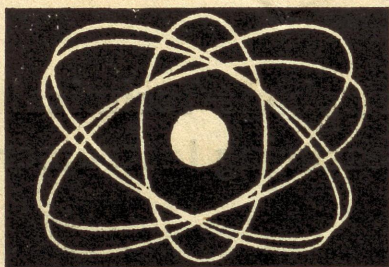
Denomination	Type	F. O. B. price in £	C. I. F. price in £	Nett Price in India in Rupees
a) GENERATORS				
Audio frequency Rc. generator 20 c/s to 20 kc	ORION-EMG 1113/c	105, 07, 01	111, 13, 06	2085/-
Laboratory Decade Measuring generator 10 c/s to 1 Mc	ORION-KITS 1281/s	464, 02, 00	491, 18, 11	9181/-
Servotest audio frequency oscillator 20 c/s to 20 kc	ORION-EMG 1925	19, 05, 07	20, 08, 09	382/-
Wide-range generator 50 c/s to 7 Mc	ORION-EMG 1132	210, 12, 07	223, 05, 04	4168/-
Square-wave generator 20 to 10,000 c/s	ORION-EMG 1143	68, 10, 11	72, 13, 02	1357/-
Pulse generator 200 c/s to 8 kc	ORION-EMG 1152	62, 16, 08	66, 12, 00	1243/-
Workshop signal generator 100 kc to 20 Mc	ORION-EMG 1162/B	49, 19, 07	52, 19, 07	990/-
Laboratory standard signal generator 85 kc to 35 Mc	ORION-EMG 1163	101, 08, 06	107, 10, 03	2008/-
Servotest signal generator 100 c/s to 25 Mc	ORION-EMG 1921	17, 02, 09	18, 03, 04	340/-
AM-FM signal generator 4 to 220 Mc	ORION-EMG 1173	624, 15, 00	662, 04, 06	12362/-
Triggered Time Base generator	ORION-FMV 1592	78, 10, 11	83, 04, 06	1554/-
Grid-dip oscillator 10 Mc to 200 Mc	ORION-KTS 1196/s	22, 02, 08	23, 09, 03	438/-
TV service case	ORION-KTS 1195	X	X	X
b) TUBE VOLTMETERS, MEASURING BRIDGES				
Low-frequency vacuum tube voltmeter 20 to 300,000 c/s 2 mV to 100 V	ORION-EMG 1315/B	51, 01, 05	54, 02, 08	1010/-
UHF tube voltmeter up to 260 Mc	ORION-KTS 1325/S	52, 16, 09	56, 00, 03	1046/-
Universal vacuum tube voltmeter for routine measurements 0,1 to 1,000 V, 0,2 to 1,000 Mohms	ORION-EMG 1341/D	40, 00, 00	42, 08, 00	792/-
Universal TV vacuum tube voltmeter for d. c. measuring range with separate measuring head 0 to 30 KV	ORION-EMG 1343	53, 11, 00	56, 15, 03	1060/-
Servotest vacuum tube voltmeter 30 c/s to 10 Mc, 0, 1 to 1,000 V	ORION-EMG 1911	13, 18, 06	14, 15, 06	277/-

Denomination	Type	F. O. B. price in £	E. I. F. price in £	Nett price in India in Rupees
RC Workshop measuring bridge 0, 5 ohms to 10 Mohms, 50 pF to 1,000 mF, with separate standard L : 1,5 mH to 100 Hy	ORION-EMG 1432/s	28, 04, 03	29, 18, 01	559/-
e) OSCILLOSCOPES AND ACCESSORIES				
Cathode ray oscilloscope 20 c/s to 300 kc	ORION-EMG 1534	60, 13, 10	64, 06, 08	1201/-
TV cathode ray oscilloscope 10 c/s to 10 Mc	ORION-EMG 1542	141, 07, 05	149, 17, 01	2797/-
Time measuring oscilloscope 20 c/s to 8 Mc	ORION-EMG 1548	274, 03, 07	290, 12, 07	5425/-
Double-beam oscillo-synchro-scope 20 c/s to 5 Mc	ORION-EMG 1551	221, 08, 06	234, 14, 03	4371/-
Servotest oscilloscope 30 c/s to 100 kc	ORION-EMG 1931	24, 05, 06	25, 14, 08	480/-
Low-frequency preamplifier 20 c/s to 100 kc	ORION-EMG 1594	23, 18, 07	25, 07, 04	475/-
D.c. amplifier 0 to 20 kc	ORION-EMG 1598	36, 08, 07	38, 12, 04	721/-
d) FREQUENCY METERS				
Crystal-controlled secondary Stand- ard Frequency Measuring Equip- ment 50 c/s to 10 Mc	ORION-EMG 1188	820, 13, 10	869, 18, 8	16239/-
All-wave precision Wavemeter 90 kc to 50 Mc	ORION-EMG 1611	55, 07, 01	58, 13, 6	1096/-
Direct reading frequency meter 20 c/s to 100 kc	ORION-EMG 1631	77, 02, 10	81, 15, 5	1527/-
Decade frequency and time measur- ing instrument 0 to 10 ⁶ pulses per second	ORION-EMG 1641	Prices on application.		X
e) POWER SOURCES				
Stabilized power supply 150 to 300 V, 0 to 120 mA	ORION-EMG 1832/B	50, 14, 03	53, 15, 3	1004/-
Alternating current voltage stabilizer 625 V A, 1,25 kVA 2,5 kVA, 5, 0 kVA	ORION-KTS 1834/S	66, 00, 11 76, 15, 01 83, 11, 00 103, 10, 07	70, 00, 2 81, 07, 2 88, 11, 3 109, 14, 10	1308/- 1519/- 1653/- 2050/-
f) SUNDRY APPLIANCES				
Decade resistance box 0,05 to 1,221 Kohms	ORION-EMG 1717	42, 02, 10	44, 13, 5	833/-
Decade capacitor box 100 pF to 12,222 mF	ORION-KTS 1751/S	Prices on application		
Transistor tester	ORION-EMG 1816	Prices on application.		



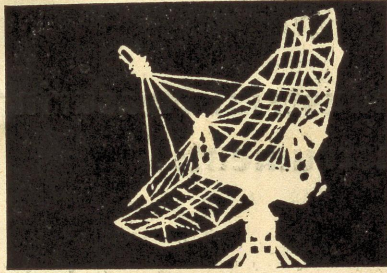
Telephone-Technical Measuring Instruments.

Denomination	Type	F. O. B. price in £	C. I. F. price in £	Nett price in India in Rupees
Selective carrier-frequency reception meter 5 to 155 kc	ORION-KTSZ 022	138, 11, 04	146, 17, 07	2726/-
Carrier frequency generator 5 to 160 kc	ORION-KTS 025	130, 07, 01	138, 03, 06	2580/-
Universal cable fault locator by d. c. measurement	ORION-KTS 272/B	135, 14, 03	143, 17, 01	2685/-
Audio frequency measuring case up to 6000 c/s	ORION-KTS 624	124, 19, 00	132, 08, 11	2472/-
Carrier frequency generator 3 to 350 kc	ORION-KTS 625	196, 07, 00	208, 02, 07	3884/-
Cable fault locator by d. c. and a. c. measurement	ORION-EMV 773	428, 08, 02	454, 02, 03	8477/-
High-stability oscillator with R C coupling 20 c/s to 200 kc	ORION-KTS 1113/S	167, 02, 09	177, 03, 09	3308/-
Selective amplifier 30 c/s to 300 kc, lowest measurable voltage rate U 30 V	ORION-KTS 1317/S	283, 11, 03	300, 11, 06	5606/-
Mutual capacity measuring bridge 50 pF to 221 nF, 0 to 261 ohms	ORION-KTS 1436/S	229, 12, 09	243, 08, 04	4544/-
Frequency measuring bridge 30 c/s to 100 kc	ORION-KTS 1621/S	258, 11, 04	274, 01, 07	5117/-
Attenuation box up to 15,1 N, frequency up to 1 Mc	ORION-KTS 1716/S	85, 14, 03	90, 17, 01	1700/-
Attenuation box up to 13,1 N, frequency up to 200 kc	ORION-EMG 1716/B	41, 15, 08	44, 05, 10	827/-
Variable artificial line up to 10,000 c/s	ORION-KTS 1721/S	309, 12, 09	328, 04, 04	6126/-
Terminal boxes for quads 600 c/s to 6 kc	ORION-KTS 1723/S-A S-B	S-A 34, 05, 08 S-B 85, 00, 00	36, 06, 10 90, 02, 00	679/- 1681/-
Phantom switch 600 c/s to 6 kc	ORION-KTS 1724/S	137, 09, 11	145, 14, 11	2722/-
Capacity unbalance meter, measuring frequency 800 c/s	ORION-KTS 1725/S	346, 08, 05	367, 04, 01	6654/-
Combined unbalance meter 1 to 350 kc	ORION-KTS 1726/S	446, 05, 00	473, 01, 02	8830/-
Compensating attenuation meter 0 to 11,2 N, 0, 3 to 300 kc	ORION-KTS 1727/S	249, 05, 07	264, 4, 5	4934/-
Balanced repeater 30 c/s to 500 kc, with 600/600 impedance	ORION-KTS 1839/S	42, 16, 10	45, 08, 03	850/-
Detector amplifier	ORION-EMG 5117	177, 15, 09	188, 09, 01	3520/-



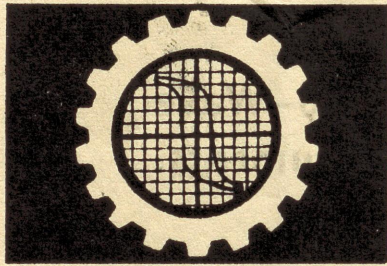
Nuclear Instruments.

Denomination	Type	F. O. B. price in £	E. I. F. price in £	Nett price in India in Rupees
Stabilized high-voltage power supply 300 to 3000 V, continuously adjust- able, load capacity 0, 5 mA	ORION-EMG 1842	117, 16, 03	124, 17, 08	2330/-
Portable radiation meter 1 to 20 mr/h	ORION-EMG 1862	48, 03, 11	51, 01, 09	953/-
Radiation meter with ionization chamber 30, 100, 300 mr/h	ORION-EMG 1863	78, 10, 10	83, 05, 01	1554/-
Pocket dosimeter, measuring limit 150 milliroentgen	ORION-GOM 1869	5, 00, 00	5, 06, 00	99/-
Charging and measuring device for pocket dosimeter type ORION-GOM 1869 75 to 300 milliroentgen	ORION-GOM 1894	62, 16, 08	66, 12, 00	1243/-
Utility scaler, division rate 64	ORION-EMG 1871	146, 07, 05	155, 03, 02	2896/-
Laboratory scaler, division rate 1000	ORION-EMG 1873	374, 17, 00	397, 06, 10	7417/-
Precision ratemeter 100 to 30,000 pulses per min.	ORION-EMG 1875	210, 12, 08	223, 05, 05	4168/-
Measuring turret with lead shielding	ORION-GOM 1891	53, 11, 00	56, 15, 05	1060/-
Timer	ORION-GOM 1892	34, 19, 09	37, 01, 09	693/-
Telepipette	ORION-GOM 1893	17, 17, 00	18, 18, 05	354/-
Cylindrical Geiger-Muller counting tube	G-I	7, 02, 10	7, 11, 05	141/-
Geiger-Muller counting tube with window	G-II	14, 05, 07	15, 02, 09	283/-
Cosmic tube		10, 14, 03	11, 07, 01	213/-
Halogen tube		14, 05, 07	15, 02, 09	284/-



Micro-Wave Instruments.

Denomination	Type	F. O. B. price in £	C. I. F. price in £	Nett Price in India in Rupees
Microwave signal generator 1800 to 4800 Mc	ORION-EMG 1176	696, 00, 00	737, 15, 02	13772/-
Microwave generator 1800 to 4000 Mc	ORION-FMV 1271	339, 00, 00	359, 06, 10	6710/-
Standing wave indicator 1000 c/s	ORION-EMG 1313/B	69, 19, 05	74, 03, 04	1384/-
Microwave power meter O, 03 to 5 mW	ORION-EMG 1382/B	197, 01, 04	208, 17, 10	3898/-
Wide-range frequency meter 1800 to 4000 Mc	ORION-FMV 1642/B	30, 14, 00	32, 10, 10	608/-
Coaxial precision frequency measuring cavity 1800 to 4000 Mc	ORION-FMV 1643	124, 19, 00	132, 08, 11	2472/-
Microwave Tuning set 1800 to 4000 Mc	ORION-FMV 1650	107, 02, 00	113, 10, 06	2120/-
Standing Wave measuring kit 500 to 4000 Mc	ORION-FMV 1653	176, 00, 00	186, 10, 01	3482/-
Microwave measuring receiver 2700 to 3100 Mc	ORION-FMV 1691	155, 05, 11	164, 12, 00	3072/-
Klystron cavity 2900 Mc	ORION-FMV 1661	16, 15, 07	17, 15, 09	332/-
Precision cavity resonator 2650 to 3150 Mc	ORION-FMV 1662	102, 16, 04	108, 19, 09	2034/-
Microwave attenuator set 1800 to 4000 Mc	ORION-FMV 1780	53, 11, 00	56, 15, 05	1060/-
Cutt-off attenuator 1800 to 4000 Mc	ORION-FMV 1782	55, 13, 10	59, 00, 08	1102/-



Industrial Measuring Instruments.

Denomination	Type	F. O. B. price in £	C. I. F. price in £	Nett price in India in Rupees
Dielectric constant tester loss angle measuring range 1 to 1000 x 10 ⁻⁴	ORION-KTS 1471/S	Price on application		
Low-frequency industrial oscilloscope 0,1 to 10,000 c/s	ORION-EMG 1538	129, 05, 08	137, 00, 09	2558/-
Photo Recorder for oscilloscope 1538	ORION-EMG 1578/1	34, 05, 06	36, 06, 09	679/-
Micro-photometer 0 to 4 D	ORION-EMG 2213	67, 16, 07	71, 18, 00	1343/-
Transparent densitometer with incorporated measuring head	ORION-EMG 2231	37, 17, 01	40, 03, 06	750/-
Reflex densitometer	ORION-EMG 2232	3, 04,	3, 08, 01	64/-
Voltage stablizer for photometer densitometer	ORION-EMG 1838	Price on application		
Surface finish tester	ORION-EMG 2335	Price on application		
12-channel switch box for extensometer	ORION-EMG 2352	134, 00, 00	142, 00, 00	2652/-
Extensometer for static and dynamic strain measurement	ORION-EMG 2353	107, 00, 00	113, 08, 05	2117/-
Strain measuring guages 120, 350, 600 ohms	ORION-EMG 2359	00, 04, 08	0, 04, 11	6/-
Set of strain measuring guages		Price on application		
Battery pH-meter 0 to 14 pH	ORION-LABOR 2514/S	58, 11, 04	62, 01, 07	1159/-
D. c. pH-meter 0 to 14 pH	ORION-KTS 2518/S	65, 06, 00	69, 04, 06	1294/-
Stroboscope 600 to 15,000 rev. p. min.	ORION-EMG 2371/B	43, 11, 05	36, 03, 08	864/-
Electromagnetic steelsorter for the testing of steel by comparison measurement	ORION-KTS 2733/S	88, 11, 05	93, 17, 08	1760/-
Ferrotester for ferromagnetic iron tests on basis of the hysteresis loop	ORION-KTS 2738/S	265, 14, 02	281, 13, 00	5264/-
Piezo-electric double-beam pressure indicator	ORION-KTS 2780/S	1, 863, 10, 10	1975, 07, 01	36876/-

Denomination	Type	F. O. B. price in £	C. I. F. price in £	Nett price in India in Rupees
Moisture meter for cereals (wheat 8-22% rye 10-23% barley 10-22%).	ORION-EMG 2829	68, 10, 10	72, 13, 00	1359/-
Moisture meter for timber in battery design (7 to 100%)	ORION-EMG 2831	52, 16, 09	56, 00, 05	1046/-
Ignition tester	ORION-KTSZ 2785/S	Prices on application.		
Statometer	ORION-KTS 2891/S	Prices on application.		

Valid from 1st January 1958.

The prices of the new types (x) will be quoted later on.

Prices are not binding. The nett. price in rupees indicated in the last column of the price sheet is C. I. F. price plus 40% customs' duty. In case duty differs from this rate the prices will alter proportionately. Other expenses such as clearance charges, freight, insurance, local taxes if any, bank charges etc. from port to the customers' destination will be extra at cost.

Prices and delivery dates for orders are subject to our acknowledgement.

All former price lists are herewith superseded.

The Price List covers the latest state of Production and includes some items for which printed data sheets are not yet available.



METRIMPEX

HUNGARIAN TRADING COMPANY FOR INSTRUMENTS



SOLE REPRESENTATIVE

FOR THE INDIAN UNION
**EASTERN ELECTRONICS
FARIDABAD**

(Show Room : 13, Lakshmi Building, A. G. E. Scheme New Delhi.)

Phone FARIDABAD 22 and 105. Cable 'ATOMIC' New Delhi
