



PHILIPS

SERVICE

Scientific & Analytical Equipment
 Test and Measurement
 Industrial Automation
 Advanced Automation Systems
 Audio-communications
 Electronic Security & Recording Systems
 Broadcast Equipment

**Industrial &
 Electro-acoustic
 Systems
 Division**

850829

TEST AND MEASURING EQUIPMENT

ESU3219S1.1.

SUPPLEMENT TO SERVICE MANUAL PM3219 9499 445 01911

This ESU replaces: -

1. ERRATA

Fig. 8.4.: R342 must be 348E (codenr. in partslist is correct).

Page 116 - REAR VIEW:

item 6	: BNC connector for Z-MOD output	5322 267 10004
	Spacer for BNC connector	5322 532 20749

Page 117:

item 2	: Magnetic shield for CRT	5322 447 90014
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Flexible coupling for R8, R9 and R17 complete:

* Spring washer, metal	4822 530 70043
* Coupling disc	5322 528 20333
* Coupling bush	5322 532 51241
* Fixing spring	5322 492 62451

Page 143:

Some codenumber on this page are wrong typed.

L1602, L1602 and L1603 - COIL - must be	5322 281 64154
T1603 - CHOKE TFE 25 - must be	5322 146 20821
Thermal fuse must be	4822 252 20017

2. CHANGED SPECIFICATIONS

Section 1.2.2:

Bandwidth	d.c...50MHz	0,3MHz derating per °C at 2,5 and 10mV/DIV settings related to ambient temp. of 25°C.
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Input impedance 1 MegOhm

20pF + 4pF or -0pF Differences between ranges and attenuators max. +1pF.

4822 872 09315

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3. PARTSLIST INFORMATION

3.1 Completion of partslist, page 142

D602	OQ0127	5322 209 80992
D905	SN74S132N-00	5322 209 85267

3.2 Because the following components are absolute, they have been changed into a new type. Please adapt your Service manual for the new codenumbers.

<u>Itemnumber</u>	<u>New type</u>	<u>Codenummer</u>
V301	ON4057	5322 130 42366
V401	ON4057	5322 130 42366
C901	100N-10%-63V	5322 122 32049

4. MODIFICATIONS

The following list includes all modifications introduced after the present Service manual has been printed.

<u>Item</u>	<u>Old value</u>	<u>New value</u>	<u>Ordering nr</u>	<u>Mounted between</u>	<u>Unit</u>
C105	-	1p5-500V	4822 122 31184	R102/103-->earth	A3
C110	-	1p8-500V	4822 122 31185	R104/106-->earth	A3
C205	-	1p5-500V	4822 122 31184	R202/203-->earth	A3
C210	-	1p8-500V	4822 122 31185	R204/206-->earth	A3
C1209	3p5	cancelled	-	--	A5
C1209	-	10N-100V	4822 122 31414	V1217-b -->earth	A5
C1211	0,56p	cancelled	-	--	A5
C1317	-	470p-100V	-	C1306 -->earth	A8
R1235	-	31E6-MR25	5322 116 54034	V1213-b -->V1214	A5
R1243	365k	3k48-MR25	5322 116 55367	--	A5
R1247	30E1	3k16-MR25	5322 116 50579	--	A5
R1250	-	3k16-MR25	5322 116 50579	V1217-b -->-12V	A5
R1527	6k81-MR25	7k87-MR25	5322 116 50458	--	A5

Note: A3 = Attenuator unit
A5 = Storage unit
A8 = Amplifier unit