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Passive Probes

PP002A, PP005A PP006A

LEADING FEATURES:

- **Bandwidth from 350 MHz to 500 MHz**
- **Probe encoding ring for automatic scale factor readout on LeCroy oscilloscopes**



HIGH IMPEDANCE PASSIVE PROBES

Frequency compensation on high impedance probes is accomplished through the use of adjustment screws. All LeCroy digital oscilloscopes provide a calibration output on their front panel to enable this adjustment. The LeCroy WavePro, Waverunner, and LC series oscilloscopes provide internal capability of adjusting both amplitude and frequency of the calibration output to suit user preferences. The output is applied to a front panel connector for easy access while adjusting the probes.

LOW CAPACITANCE PASSIVE PROBES

Low capacitance passive probes provide a better solution for higher frequency applications than high impedance passive probes. They are less expensive than high bandwidth active probes; however, they are compatible only with the 50 Ω input oscilloscopes. For more information on low capacitance passive probes, see pages 172-174.

PROBE ACCESSORY KIT

The PKxxx probe accessory kits provide the capability to surface mount probe components. A variety of tips and clips are available as shown as on the following page.

HIGH IMPEDANCE PASSIVE PROBES

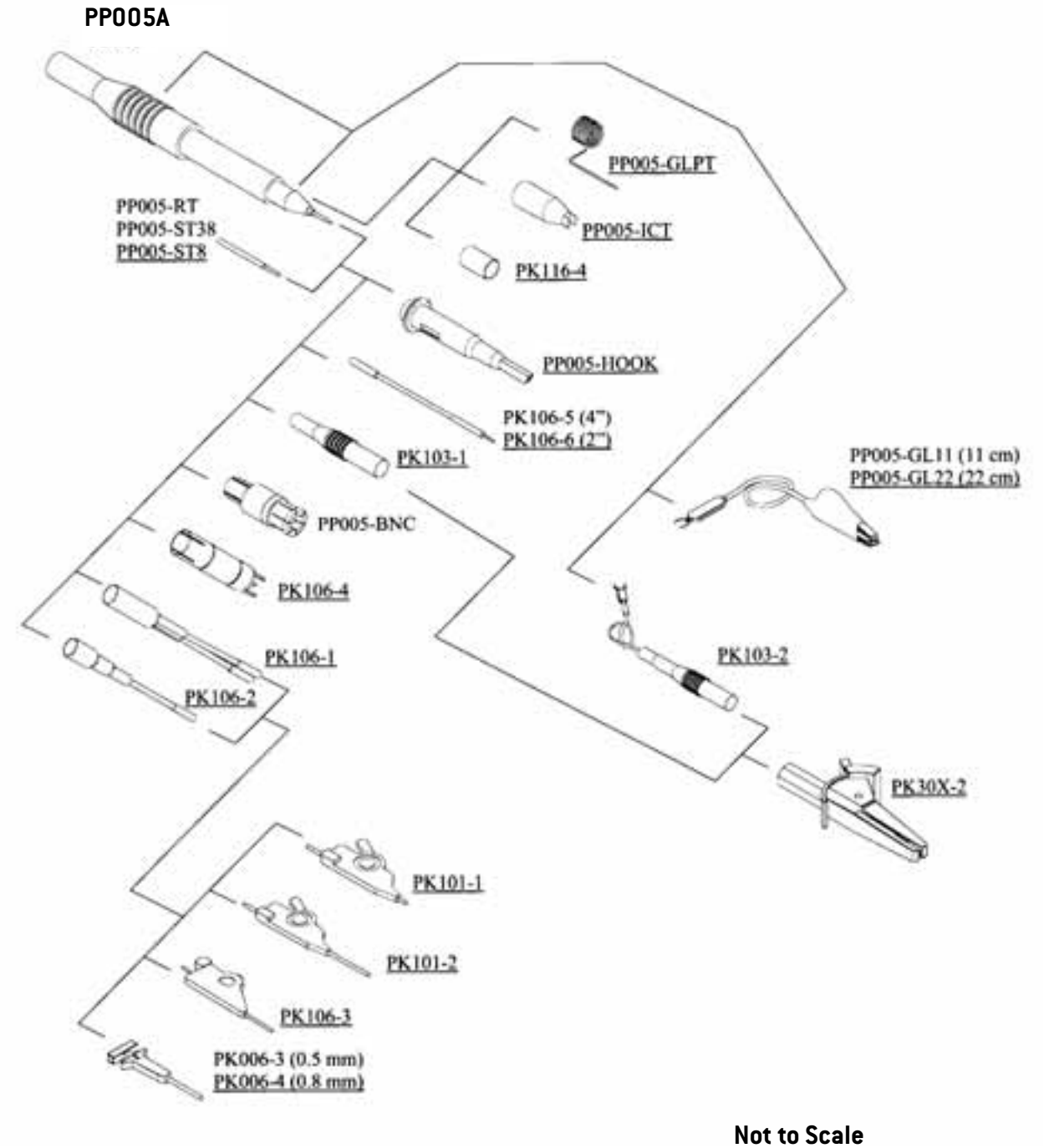
Model Number	Bandwidth	Input R	Input C	Attenuation	Maximum Voltage	Recommended Oscilloscope
PP002	350 MHz	10 M Ω	14.0 pF	÷10	500 V Cat I	3
PP005A	500 MHz	10 M Ω	11.0 pF	÷10	500 V Cat I	1, 6
PP006A	500 MHz	10 M Ω	12.0 pF	÷10	600 V Cat II	2
SS-082R	400 MHz	10 M Ω	13.0 pF	÷10	600 V	4
SS-0130R	100 MHz	10 M Ω	12.5 pF	÷10	600 V	5

COMPATIBILITY

1 = LCxxx, 93xx, LA314, LA354	4 = LA303/314
2 = Waverunner scopes	5 = LA302, LPxxx
3 = 9304, LT224	6 = WavePro

PP005A – Recommended Accessory Diagram

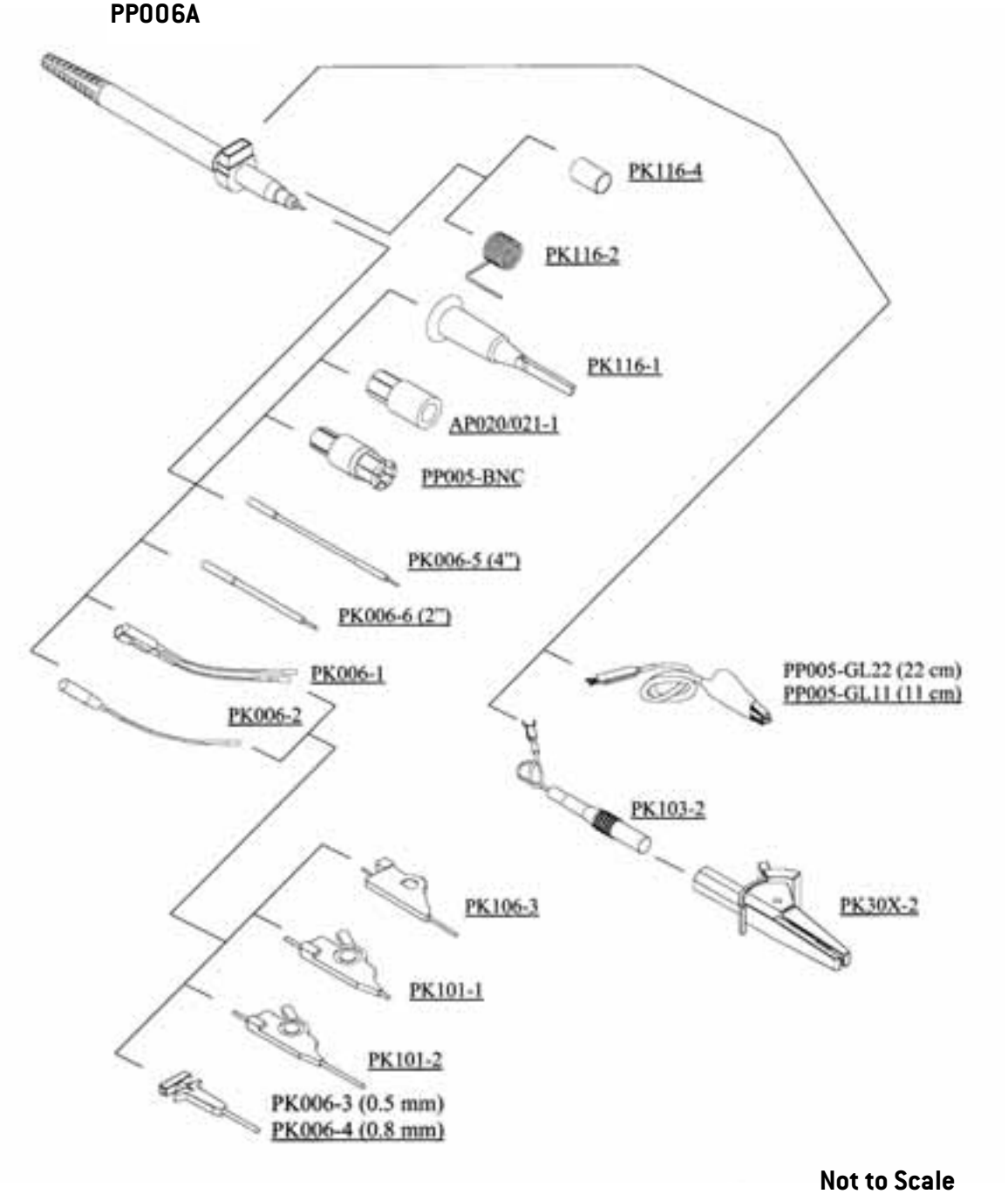
PP005A



Not to Scale

PP006A – Recommended Accessory Diagram

PP006A



Not to Scale

Probe Kits and Accessories – PP002, PP005A, PP006A

PP002

PK001 - Probe accessories for PP002

PP001/002-1	Ground lead PP001 & PP002
PP001/002-2	Probe tip to BNC adapter
PP001/002-3	Sprung hook PP001 & PP002
AP020/021-2	Ground Bayonet
NA	M/F lead - long (4")
NA	M/F lead - short (2")

PK006 - SMT accessories for AP020, PP006

K006-1	Dual lead adapter PK006
PK006-2	Single lead adapter PK006
PK006-3	0.5 mm clip (black and red)
PK006-4	0.8 mm clip (black and red)
NA	M/F lead - long (4")
NA	M/F lead - short (2")

PK106 - SMT accessories for PP005/65, PPExkV

PK106-1	Dual lead adapter
PK106-2	Single lead adapter
PK106-3	0.5 mm clip (orange)
PK106-4	Probe tip to PCB adapter
PK106-5	M/F lead - long (4")
PK106-6	M/F lead - short (2")
PK106-8	0.5 mm clip (yellow)

Additional accessories

PP001/002-1	Ground lead PP001 & PP002
PP001/002-2	Probe tip to BNC adapter
PK006-3	0.5 mm clip (black and red)
PK006-4	0.8 mm clip (black and red)

PP005

PK101 - Microclip accessories for PP005

PK106-2	Single lead adapter
NA	QFPIC Clip (1300 mm 0.5 mm pitch)
PACC-CL001	QFPIC Clip (0.5 mm pitch)

PK102 - Probe accessories for PP005

PP005-HOOK	Sprung hook (black)
PP005-ST38	Spring tip (0.38 mm
PP005-ST8	Spring tip (0.8 mm)
PP005-RT PK116-2	Rigid tip V2A
PP005-BNC	Prove tip to BNC adapter)
PP005-GL11	Ground lead (11 cm)
PP005-GL22	Ground lead (22 cm)
PP005-GLPT	Ground lead (short sp probe tip
NA	IC insulating tip
NA	Probe tip to banana plug adapter
NA	Screw driver

PK103 - Probe accessories for PPE1.2kV, PPE2kV

PP005-HOOK	Sprung hook (red)
PP005-G22	Ground lead (22 cm)
PK30x-2	Crocodile clip
PP005-BNC	Probe tip to BNC adapter
NA	IC insulating tip
NA	Screw driver
NA	Probe tip to banana plug adapter
NA	Ground lead with banana plug
PP005-ST8	Spring tip (0.8 mm)
PP005-RT	Rigid tip V2A

PP006

PK006 - SMT accessories for AP020, PP006

PK006-1	Dual lead adapter PK006
PK006-2	Single lead adapter PK006
PK006-3	0.5 mm clip (black and red)
PK006-4	0.8 mm clip (black and red)
NA	M/F lead - long (4")
NA	M/F lead - short (2")

PK116 - Probe accessories for PP006

PK116-1	Sprung hook
PK116-2	Ground lead
PK116-3	Ground pin
NA	Insulating tip
NA	Screw driver

Additional Accessories

PP001/002-1	Ground lead
AP020/021-1	Probe tip-to-BNC adapter
AP020/021-2	Ground bayonet
PACC-CL001	QFPIC Clip (0.5 mm pitch)
PP005-BNC	Probe tip-to-BNC adapter
PP005-GL11	Ground lead (11 cm)
PP005-GL22	Ground lead (22 cm)
PP005-GLPT	Ground lead (short sp probe tip)
PK30x-2	Crocodile clip
PK106-3	0.5 mm clip (orange)
PK106-5	M/F lead - long (4")
PK106-6	M/F lead - short (2")

Ordering Information PP002, PP005A, PP006A

PASSIVE PROBES	PRODUCT CODE
÷10, 350 MHz, 10 MΩ Passive Probe	PP002
÷10, 350 MHz, 10 MΩ Passive Probe	PP006A
÷10, 500 MHz, 10 MΩ Passive Probe	PP005A

PROBE ACCESSORY KITS — ORDERING INFORMATION	PRODUCT CODE
Probe Accessory Kit for PP001/2	PK001
Probe Accessory Kit for PP061/62/64	PK003
Probe Accessory Kit for AP020/21	PK004
SMT Probe Kit for AP020	PK006
SMT Probe Kit for AP022	PK022
Microclip Accessories for PP005A	PK101
Standard Accessories for PP005A	PK102
SMT Probe Kit for PP005A	PK106
Probe Accessory Kit for PP006A	PK116

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