













ACCESSORIES

Accessories NSG 434 / 435

Basic set (see technical specifications)








Part Number

	Mains power supply (80 to 240 V, 50/60 Hz)	INA 402 01-05
	Spare battery pack for NSG 434 and NSG 435. Make sure the right charger gets used, as older chargers are not suited for new batteries.	INA 405
	Remote triggering unit incl. 5 m opto-cable	INA 415
	Opto-link to a PC with 10m opto-cable	INA 417B
	Special test tip for fast rise time. Where the rise time of 0,8 ns specified in most standards represents more than 80% of real cases, in extreme cases an ESD event may be faster. This can be simulated using this fast rise time test finger which generates rise times around 0,4 ns.	INA 420
	Network and test finger, per IEC 801-2, 1984	INA 421
	Tripod support for NSG 435	INA 423
	Air discharge tip for NSG 434 and NSG 435	INA 424
	Contact discharge tip for NSG 434 and NSG 435	INA 425
	Special discharge networks (specify R and C)	INA xxx










Accessories NSG 437 / 438 / 439

Basic set (see technical specifications)

Part Number

	Opto-link set to a PC with 10m opto-cable (INA 417B is not suitable with NSG 437)	INA 417B
	Discharge network, 150 pF/330 Ω, per: IEC 61000-4-2 (2008), ISO 10605 (2001), (2008)	INA 4380
	Discharge network, 150 pF/2 kΩ, per: ISO 10605 (2001), (2008), SAEJ1113-13, GMW3091, GMW3094, GMW3097, GMW3100	INA 4381
	Discharge network, 330 pF/2 kΩ, per: ISO 10605 (2001), (2008), SAE J1113-13	INA 4382
	Discharge network, 150 pF/330 Ω, per: ANSI C63.16 - Hand/metal model	INA 4383
	Discharge network, 150 pF/75 Ω, per: ANSI C63.16 - Air discharge furniture model	INA 4384
	Discharge network, 150 pF/15 Ω, per: ANSI C63.16 - Contact discharge furniture model	INA 4385








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	Fast risetime test tip. Where the rise time of 0,8ns specified in most standards represents more than 80% of real cases, in extreme cases an ESD event may be faster. This can be simulated using this fast rise time test finger which generates rise times around 0,4ns.	INA 4411
	Remote discharge tip with extension (specify R value xx). For applications where ESD pistol needs to stay away from EUT. Consists in banana tip, HV extension cord of 1,5m, ended with resistor unit and set of air and contact test finger.	INA 4413-xx
	Air discharge ball (Discharge sphere). 25 mm diameter test tip adapter to be fixed on 8mm air discharge test finger. To minimize corona discharge when testing in air discharge mode for higher voltages.	INA 4414
	Flexible tip set. Where the application makes access of EUT discharge point difficult. Approx. 30cm flexible extension adapter tips. Set of 2 tips, for air discharge and contact discharge mode.	INA 4415
	Soft touch contact tip. Very convenient adapter tip to test connector pins.	INA 4416
	Banana contact tip. To adapt to 4 mm banana plugs.	INA 4417
	Banana fast risetime tip. To adapt to 4 mm banana plugs.	INA 4418
	E-field adapter	INA 4419
	H-field adapter	INA 4420
	Tripod support for NSG 437, 438. To adapt NSG 437 or 438 pistols to classic tripods as generally used for cameras.	INA 4421
	Carry-bag for the base unit. Increases mobility of the test engineer.	INA 4422
	Carry case for NSG 437/438. Includes foam with professional cut outs for NSG 437, 438 and accessories.	INA 4423
	Charge remover (for NSG 438 and NSG 439 series only)	INA 4430
	Discharge network, 100 pF/100 Ω	INA 4545
	Discharge network, 300 pF/30 Ω	INA 4546
	Discharge network, 150 pF/1500 Ω	INA 4547
	Discharge network, 100 pF/1000 Ω	INA 4548
	Discharge network, 2000 pF/150 Ω	INA 4549
	Discharge network, 1000 pF/2 kΩ, per: ES-X 44017 HMC (Hyundai Motor Company)	INA 4550























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	Discharge network, 150 pF/500 Ω , per: JASO D001-87 and 94	INA 4551
	Discharge network, 500 pF/330 Ω	INA 4552
	Discharge network, 330 pF/330 Ω , per: ISO 10605 (2001), (2008), TL 824 66 (Volkswagen)	INA 4553
	Discharge network, 150 pF/150 Ω , per: SAE J1455 A94	INA 4554
	Discharge network, 500 pF/500 Ω , per: MIL-STD-464, Stanag 4239	INA 4555
	Discharge network, 500 pF/100 Ω	INA 4556
	Discharge network, 2000 pF/0 Ω	INA 4557
	Discharge network, 200 pF/150 Ω	INA 4558
	Discharge network, 500 pF/5 k Ω , per: Stanag 4239	INA 4559
	Discharge network, 200 pF/100 Ω	INA 4560
	Discharge network, 100 pF/1500 Ω , per: MIL 883	INA 4561
	Discharge network, 330 pF/0 Ω	INA 4562
	Discharge network, 50 pF/0 Ω	INA 4563
	Discharge network, 100 pF/500 Ω , per: Chrysler PF9326-D-May 00, Chrysler LP388-C-42	INA 4564
	Discharge network, 1500 pF/2200 Ω , per: VW 80972:2001-10	INA 4565
	Discharge network, 150 pF/1000 Ω	INA 4566
	Discharge network, 150 pF/0 Ω	INA 4567
	Discharge network, 1000 pF/0 Ω	INA 4568
	Discharge network, 200 pF/0 Ω	INA 4569
	Discharge network, 500 pF/2000 Ω	INA 4570











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	Discharge network, 500 pF/0 Ω	INA 4571
	Discharge network, 330 pF/27 Ω	INA 4572
	Discharge network, 1000 pF/1000 Ω , per: IEC 60065	INA 4573
	Discharge network, 50 pF/100 Ω	INA 4574
	Discharge network, 100 pF/50 Ω	INA 4575
	Discharge network, 350 pF/200 Ω	INA 4576
	Discharge network, 100 pF/0 Ω	INA 4577
	Discharge network, 50 pF/200 Ω	INA 4578
	Discharge network, 650 pF/350 Ω	INA 4579
	Discharge network, 500 pF/500 Ω	INA 4580
	Discharge network, 400 pF/250 Ω	INA 4581
	Discharge network, 50 pF/10 Ω	INA 4582
	Discharge network, 50 pF/3500 Ω	INA 4583
	Discharge network, 250 pF/1500 Ω , per: UL 1023	INA 4584
	Discharge network, 150 pF/300 Ω	INA 4585
	Discharge network, 200 pF/500 Ω	INA 4586
	Discharge network, 330 pF/500 Ω	INA 4587
	Discharge network, 60 pF/100 Ω	INA 4588
	Discharge network, 50 pF/10k Ω	INA 4589
	Discharge network, 250 pF/100 Ω	INA 4590



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	Discharge network, 250 pF/500 Ω	INA 4591
	Discharge network, 1000 pF/1 Ω	INA 4592
	Discharge network, 500 pF/1000 Ω	INA 4593
	Discharge network, 20 pF/0 Ω	INA 4594
	Discharge network, 1000 pF/10 Ω	INA 4595
	Discharge network, 270 pF/100 Ω	INA 4596
	Discharge network, 100 pF/47 Ω	INA 4597
	Discharge network, 1600 pF/1500 Ω	INA 4598
	Discharge network, 200 pF/1500 Ω	INA 4599
	Special discharge networks to specification: specify standard, C and R value. Possible values: 50 pF < C < 2000 pF, 0 Ω < R < 20 k Ω	INA xxxx

Measurement Accessoires for all ESD Simulators

Basic set (see technical specifications)

Part Number

	Calibration adapter set to MD 103. To calibrate MD 103 per specifications of IEC 61000-4-2 (2008) and ISO 10605 (2008).	INA 103
	Bleeder resistor cable (2 x 470 k Ω) - lenght 80 cm	INA 414
	Bleeder resistor cable (2 x 470 k Ω) - lenght 2 m	INA 414-2M
	Measuring target conforming to IEC 61000-4-2 (1995)	MD 101
	Target-attenuator-cable chain for ESD pulse calibration conforming to IEC 61000-4-2 (2008) and ISO 10605 (2008).	MD 103