



OSCILLOSCOPES RANGE	HPS10 / HPS10SE	VPS10 panel scope	HPS40	APS230	PCS10	PCS100(A)	PCS500(A)
Number of channels	1	1	1	2	4	1	2
Maximum sample rate	10MS/s	10MS/s	40MS/s	2 x 240MS/s	100S/s	32MS/s	2 x 1GS/s
Maximum bandwidth	up to 2MHz	up to 2MHz	up to 12MHz	30MHz (ex. 1&2mV)	Slow signal	12MHz all ranges	50MHz all ranges
Real time sample rate	1MS/s	1MS/s	5MS/s	2 x 60MS/s		32MS/s	2 x 50MS/s
Number of screen layouts	5	6	5	5	2	1	1
Screen size (pixels)	128x64	128x64	192x112	192x128	apr. 550x295	apr. 520x295	apr. 520x295
LCD backlight	White/Blue for SE	White/Blue	<input checked="" type="checkbox"/>	WHITE			
Memory length (bytes)	256	256	256	256		4096	2 x 4096
Resolution	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit
Sensitivity Vpp	0.1mV	0.1mV	0.1mV	0.03mV	10mV	0.3mV	0.1mV
Volt /div range	5mV to 20V / 12st	5mV to 20V / 12st	5mV to 20V / 12st	1mV to 20V / 14 st	3V to 30V range	10mV to 3V / 6 st	5mV to 15V / 8 st
Maximum volt. with X 10 probe	600VDC incl ACp	600VDC incl ACp	600VDC incl ACp	600VDC incl ACp	30V	120VDC incl ACp	600VDC incl ACp
Fastest time / div	0.2µs	0.2µs	0.05µs	0.025µs	1s	0.1µs	0.02µs
Slowest time / div	3600s	3600s	3600s	3600s	1000s	2000s	2000s
Data or screen to computer			<input checked="" type="checkbox"/> RS232	<input checked="" type="checkbox"/> RS232	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PC software			Download only	Download only	PC-Lab2000 CD	PC-Lab2000 CD	PC-Lab2000 CD
Operation through computer				Yes opto- RS232	USB	Opto isolated LPT	Opto isolated LPT
Screen memories	2		2	1	PC harddisk	PC harddisk	PC harddisk
Stand alone operation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Oscilloscope probe included	1	<input type="checkbox"/>	1	2		1	2
Recorder mode	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Spectrum analyser mode						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bode plot option (+ PCG10)						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
X position and Y position shift	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
X 10 probe calculation option	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Adjustable trigger level			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
External trigger input				Via other channel			<input checked="" type="checkbox"/>
Pre trigger function				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Zoom function for time/div					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Screen memory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DVM with X10 probe option	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Auto set-up FULL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Auto set-up SEMI						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dynamic screen for markers	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Signal markers (dt / dV / 1/dt)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Audio power calculation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Gain measurement				<input checked="" type="checkbox"/>			
dBm measurement	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
dBV measurement	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
AC only true rms display	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AC + DC true rms display	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
DC measurement	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
AC+DC max / min / pk to pk	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Duty Cycle / pos neg width							<input checked="" type="checkbox"/>
Rise / Fall time							<input checked="" type="checkbox"/>
Period / Frequency / Phase							<input checked="" type="checkbox"/>
Auto power off option	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Battery / rechargeable battery	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Included			
Low battery indication	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Battery charge circuit	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Fast			
Holster included (BAGHPS)	<input type="checkbox"/>		<input checked="" type="checkbox"/>				
Case (GIB)				<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Hard case (CASEHPS)	SE version		<input checked="" type="checkbox"/>				
upgradeable firm- or software				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Panel mount type		<input checked="" type="checkbox"/>					

= Option

* Due to regular software updates, specifications or features can improve