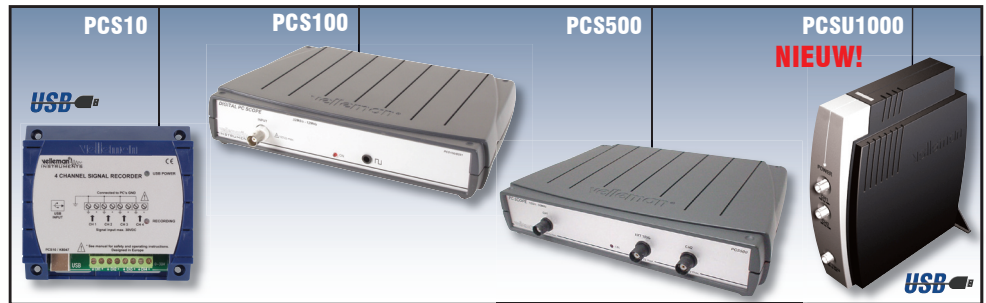


Kies de meest geschikte
Velleman oscilloscoop

velleman®
INSTRUMENTS



TABEL VAN DE DIGITALE OSCILLOSCOPEN	PCS10	PCS100(A)	PCS500(A)	PCSU1000
Aantal kanalen	4	1	2	2
Max.bemonsteringsfrequentie	100S/s	32MS/s	2 x 1GS/s	2 x 1GS/s
Max. bandbreedte	Slow signal	12MHz all ranges	50MHz all ranges	2 x 60MHz
Real-time bemonsteringsfrequentie (single-shot triggering)		32MS/s	2 x 50MS/s	2 x 50MS/s
Aantal verschillende lay-outs van het scherm	2	1	1	2
LCD scherm / scherm PC signaal (pixels)	apr. 550x295	apr. 520x295	apr. 520x295	apr. 950 x510
LCD met achtergrondverlichting				
Omvang geheugen (bytes)		4096	2 x 4096	2 x 4096
Resolutie	8 bit	8 bit	8 bit	8 bit
Gevoeligheid in Vpp	10mV	0.3mV	0.1mV	0.1mV
Volt / div bereik en aantal stappen	3V tot 30V range	10mV tot 3V / 6 st	5mV tot 15V / 8 st	5mV tot 2V / 9 st
Maximum zichtbare spanning met x 10 probe		120VDC incl ACp	600VDC incl ACp	30VAC + DC
Snelste time / div	1s	0.1µs	0.02µs	0.02µs
Traagste time / div in opname- of rollmode	1000s	2000s	2000s	2000s
Scher- of gegevensoverdracht naar PC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Software voor PC	PC-Lab2000 CD	PC-Lab2000 CD	PC-Lab2000 CD	PC-Lab2000 SE
Werking via computer	USB	Optisch geïsoleerd LPT	Optisch geïsoleerd LPT	USB
Geheugen voor schermen	PC harddisk	PC harddisk	PC harddisk	PC harddisk
Autonome werking (draagbaar)				
Incl. geïsoleerde oscilloscoop probe		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> x 2	<input checked="" type="checkbox"/> x 2
Recorder mode	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Spectrumanalyser		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bode-plot optie bij gebruik met PCG10 generator		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verschuiving van X- en Y-signaal		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Optie berekening X 10 probe				<input checked="" type="checkbox"/>
Regelbaar triggerniveau		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Externe triggeringang			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pre-trigger functie			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Zoomfunctie voor time/div	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Auto set-up FULL				
Auto set-up SEMI		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dynamisch scherm ("auto-fit") voor markers				
Signaalmarkers (dt / dV / 1/dt)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Berekening van audiovermogen				
Gain metingen				
dBm metingen		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
dBV metingen			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AC metingen true rms		<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"/>
AC + DC metingen true rms	<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"/>
Duty Cycle / pos neg width			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rise / Fall time			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Periode / Frequentie / Phase		Markers	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Optie auto power off				
Werking op batterijen / herlaadbare batterijen				
Batterij-laag aanduiding				
Schakeling voor laden van batterijen				
Praktische hoes meegeleverd (BAGHPS)				
Zachte draagtas (GIB)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardcase (CASEHPS)				
upgradeable firmware / software	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Panel mount type				



TABEL VAN DE DIGITALE OSCILLOSCOPEN	PPS10	HPS10 / HPS10SE	VPS10	HPS40	APS230
Aantal kanalen	1	1	1	1	2
Max.bemonsteringsfrequentie	10MS/s	10MS/s	10MS/s	40MS/s	2 x 240MS/s
Max. bandbreedte	tot 2MHz	tot 2MHz	tot 2MHz	tot 12MHz	30MHz (ex. 1&2mV)
Real-time bemonsteringsfrequentie (single-shot triggering)	1MS/s	1MS/s	1MS/s	5MS/s	2 x 60MS/s
Aantal verschillende lay-outs van het scherm	5	5	6	5	5
LCD scherm / scherm PC signaal (pixels)	128x64	128x64	128x64	192x112	192x128
LCD met achtergrondverlichting		Wit/Blauw voor SE	Wit/Blauw	<input checked="" type="checkbox"/>	Wit
Omvang geheugen (bytes)	256	256	256	256	2 x 256
Resolutie	8 bit	8 bit	8 bit	8 bit	8 bit
Gevoeligheid in Vpp	0.1mV	0.1mV	0.1mV	0.1mV	0.03mV
Volt / div bereik en aantal stappen	5mV tot 20V / 12stappen	5mV tot 20V / 12stappen	5mV tot 20V / 12st	5mV tot 20V / 12st	1mV tot 20V / 14 st
Maximum zichtbare spanning met x 10 sonde	600VDC incl ACp	600VDC incl ACp	600VDC incl ACp	600VDC incl ACp	600VDC incl ACp
Snelste tijdbasis (time / div)	0.2µs	0.2µs	0.2µs	0.05µs	0.025µs
Traagste tijdbasis (time / div)	3600s	3600s	3600s	3600s	3600s
Scherm- of gegevensoverdracht naar PC	<input checked="" type="checkbox"/> RS232			<input checked="" type="checkbox"/> RS232	<input checked="" type="checkbox"/> RS232
Software voor PC	te downloaden			te downloaden	te downloaden
Werking via computer					Ja opto- RS232
Geheugen voor schermen	2	2		2	1
Autonome werking (draagbaar)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Compatibiliteit met standaard meetprobe voor oscilloscoop	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Recorder mode	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Spectrumanalyser mode					
Bode-plot optie bij gebruik met PCG10 generator					
Verschuiving in X- Y richting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Optie berekening X 10 probe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regelbaar triggerniveau				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Externe triggeringang					Via een ander kanaal
Pre-trigger functie					<input checked="" type="checkbox"/>
Zoomfunctie voor tijdbasis					
Auto set-up FULL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Auto set-up SEMI					
Dynamisch scherm ("auto-fit") voor markers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Signaalmarkers (dt / dV / 1/dt)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Berekening van audiovermogen	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gain metingen					<input checked="" type="checkbox"/>
dBm metingen	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
dBV metingen	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AC metingen true rms	<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"/>
AC + DC metingen true rms	<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					
Rise / Fall time					
Periode / Frequentie / Phase	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> via markers	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> via markers		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> via markers	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> via markers
Optie auto power off	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Werking op batterijen / herlaadbare batterijen	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Inclusief
Battery-low aanduiding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Load circuit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Snel laden
Beschermhoes (BAGHPS)		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Zachte draagtas (GIB)					<input type="checkbox"/>
Hardcase (CASEHPS)		SE versie		<input checked="" type="checkbox"/>	
upgradeable firmware / software					<input checked="" type="checkbox"/>
Panel mount type			<input checked="" type="checkbox"/>		

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