

Destinatar: Serviciul National de Management al Frecventelor Radio

Specificații tehnice (F4.1)																												
Numărul procedurii de achiziție <u>ocds-b3wdp1-MD-1589370914163 din 10 iunie 2020</u>																												
Denumirea procedurii de achiziție: Licitație publică privind achiziționarea osciloscopului digital																												
Denumirea bunurilor/serviciilor	Modelul articolului	Țara de origine	Producătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant		Standarde de referință																					
2	3	4	5	6	7		8																					
Bunuri/servicii																												
Osciloscop digital	RTO2032	Germania	Rohde & Schwarz	Conform caietului de sarcini	<table border="1"> <tr> <td>Tipul osciloscopului</td> <td>Benchtop cu display touchscreen</td> </tr> <tr> <td>Input channels</td> <td>2 canale</td> </tr> <tr> <td>Analog bandwidth (-3 dB): - at 50 Ω input impedance</td> <td>3 GHz Upgradable up to 6 GHz</td> </tr> <tr> <td>Analog bandwidth limits</td> <td>200 MHz, 20 MHz</td> </tr> <tr> <td>Rise time/fall time (10 % to 90 % at 50 Ω)</td> <td>116 ps</td> </tr> <tr> <td>Vertical resolution</td> <td>8 bit</td> </tr> <tr> <td>Effective number of bits (ENOB) at declared bandwidth</td> <td>> 7 bit</td> </tr> <tr> <td>Input impedance</td> <td>50 Ω ± 3.5 % 1 MΩ ± 1 %</td> </tr> <tr> <td>DC gain accuracy</td> <td>±2%</td> </tr> <tr> <td>Input coupling at 50 Ω at 1 MΩ</td> <td>AC, DC</td> </tr> <tr> <td>Input sensitivity at 50 Ω</td> <td>1 mV/div to 1 V/div</td> </tr> </table>	Tipul osciloscopului	Benchtop cu display touchscreen	Input channels	2 canale	Analog bandwidth (-3 dB): - at 50 Ω input impedance	3 GHz Upgradable up to 6 GHz	Analog bandwidth limits	200 MHz, 20 MHz	Rise time/fall time (10 % to 90 % at 50 Ω)	116 ps	Vertical resolution	8 bit	Effective number of bits (ENOB) at declared bandwidth	> 7 bit	Input impedance	50 Ω ± 3.5 % 1 MΩ ± 1 %	DC gain accuracy	±2%	Input coupling at 50 Ω at 1 MΩ	AC, DC	Input sensitivity at 50 Ω	1 mV/div to 1 V/div	
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					Maximum input voltage (with or without probes) at 50 Ω at 1 MΩ	5V 200 V (Vp)
					Channel-to-channel isolation	40 dB
					Noise floor at 50 Ω f≥3GHz 1mv/div 10mV/div	180μVrms 340μVrms
					Timebase accuracy (during 1year after calibration)	±0.2 ppm
					Acquisition System	
					Real Time Sampling Rate	max. 10 Gsample/s on each channel
					Waveform acquisition rate	>1 000 000 waveforms/sec
					Memory depth/sampling memory	50MSamples on each channel
					Acquisition modes	Realtime, Segmented mode
					Time base range	25ps/div to 10000s/div
					Trigger System	
					Detectable glitch width	100ps to 1000s
					Sweep mode	auto, normal, single
					Trigger modes	Edge, Glitch, Width, Runt, Window, Timeout, Pattern, Video
					Analysis & Measurement	
					Waveform processing	Math functions, Gates, Waveform measurements, Voltage, Time, Frequency domain, Eye-diagram measurements, Statistics, Mask testing, Histograms, Waveform Math
					Power analysis	Quality, harmonics, inrush

						current,
					Arbitrary Waveform and Pattern Generator	Operating modes: function generator, arbitrary waveform generator, modulation, frequency sweep
					List of Oscilloscope probes should be supplied	
					Standard Probes	500 MHz passive probes for each channel, 10:1, 1 MΩ,
					Connectivity	
					USB port	2 ports or more
					LAN port	1 port
					10MHz reference port	1 port
					General data	
					Display	Capacitive Touchscreen display
					Operating Voltage	100-240 V, 50/60 Hz
					Operating Temperature range	0 °C to +45 °C
					Warranty	3 years

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