DATASHEET CERVANTES 2.0 SINGLE PHASE

The table below shows the technical characteristics of the Cervantes 2.0 single phase meter which will be introduced in the Chilean market.

CERVANTES 2.0 SINGLE PHASE			
Id	**Description**	**Unit**	**Values**
1.	**General characteristics**		
1.1	Product name		NEXY-M
1.2	Type	-	AMI Single Phase Meter
1.3	Standard to be met in type test	-	IEC 62053
1.4	Active energy measurement	kWh	
1.5	Reactive energy measurement	kVArh	
1.6	Measurement Direction	-	Bidirectional
1.7	Terminal block connection		DIN
1.8	Number of Elements	-	1
1.9	Number of threads	-	2
1.10	Active energy class index	-	B (MID)
1.11	Reactive energy class index	-	2
1.12	Nominal frequency	Hz	50
1.13	Basic Intensity (Ib) or Nominal (In)	A	5
1.14	Maximum intensity without varying the class index (Imax)	A	60
1.15	Nominal voltage (Vn)	V	230 P-N
1.16	Operating Temperature Range	°C	-40 to 70
1.17	LCD display digits	Digits	16+dots

1.18	Frequency variation range	% Fn	± 2
1.19	Nominal voltage variation range without varying the accuracy class	% Vn	0.9 to 1.15 Vn
1.20	Constant active energy	Pulses / kWh	4000
1.21	Constant reactive energy	Pulses/ kVArh	4000
1.22	Suitable memory for hourly consumption for 90 days		
1.23	Suitable memory for monthly consumption for 3 months		
2	**Information to display**		
2.1	Active energy	kWh	
2.2	Reactive energy (in all quadrant)	kVArh	
2.3	Active phase indication (voltage)		
2.4	Ordinary direction indicator		
2.5	Meter series		
2.6	Alarms		Message or Icon
2.7	Injected energy	kWh	
2.8	Active energy according to hourly rate	kWh	
2.9	Active injected energy according to hourly rate	kWh	
2.10	Reactive energy (in all quadrants) according to hourly rate	kVArh	
2.11	Instantaneous voltage and current measurements		
3	**Constructive features**		
3.1	Connector position		Lower front
3.2	Base Material		Polycarbonate
3.3	Cover screw		Unmissable
3.4	Main cap material		Polycarbonate

3.5	Terminal cover		Cut Transparent and Short
3.6	Terminal block cover seal		
3.7	Fixing mode		Fixing to box or cell from the back
3.8	Devices for the installation of security seals (Main cover and terminal cover cover)		
4	**Maximum Dimensions**		
4.1	Width	mm	130
4.2	Height	mm	210
4.3	Depth	mm	100
4.4	Minimum degree of protection	-	IP 53
5	**Communications interfaces**		
5.1	Optical port (Reading, programming and configuration)		
5.2	PLC communication (DLMS COSEM over M&M)		A Band
5.3	RF communication channel supporting Last Gasp	MHz	169
5.4	Active and Reactive energy pulse output (by LED on front plate)		
5.5	Display and front panel button to scroll the display menu		
5.6	Bluetooth		
6	**Lifetime**		
6.1	Estimated useful life of the equipment.	Years	15