

MIEZ Portfolio Overview



	MIEZ Multifunctional measurement			MIEZ Power analyser	MIEZ Power analyser	MIEZ Current extension module
	37000	37001	37002	37010	37020	37100 (Accessory to 37010 only)
Supply voltage	85 ... 275 VAC		20 ... 50 VAC	20 ... 27 VAC	-	-
	80 ... 350 VDC		20 ... 75 VDC	10 ... 36 VDC	20 ... 75 VDC	Local Bus
Overvoltage category	CAT III / 300V			CAT III / 300V;	CAT IV / 300V	CAT III / 300V
Measurement range	8 ... 660 V _{LL}			3,5 ... 1120 V _{LL}	7 ... 720 V _{LL}	-
Measuring inputs	3U, 3I			3U, 4I, 1I _{cm}	3U, 3I	12I
Transformer inputs	5 A; 1 A;			5 A; 1 A	5 A; 1 A	333 mV
Frequency	40 ... 70 Hz			40 ... 70 Hz	40 ... 70 Hz	-
Sampling rate	25,6 kHz			57,6 kHz	25,6 kHz	6,4 kHz
Averaging	200 ms			200 ms	200 ms	200 ms
Continuous measurement	●			●	●	●
Harmonics	1. ... 50.			1. ... 128.	1. ... 50.	-
Interharmonics	-			Feature Upgrade Power quality	Feature Upgrade Power quality	-
THD-U %	●			●	●	-
THD-I %	●			●	●	●
Asymmetry	●			●	●	-
Flicker (Pst / Plt)	-			Feature Upgrade Power quality	Feature Upgrade Power quality	-
Voltage-based events	-			Feature Upgrade Power quality	Feature Upgrade Power quality	-
Oscillogram	-			Feature Upgrade Oszillogram+	Feature Upgrade Oszillogram+	-
Accuracy classes U/I	0,5			0,1	0,2 / 0,5	... / 0,5
Active power class	0,5S			0,2	1	1
Digital in-/ outputs	1 / 2			1	-	-
Relais in-/ outputs	-			-	-	-
Analog in-/ outputs	-			-	-	-
Temperature input Pt100	-			1	-	-
Internal temperature meas.	●			●	●	-
Min/Max memory	●			●	●	-
Memory size	-			512 MB	512 MB	-
Internal clock	-			●	●	-
EN 50160	-			Feature Upgrade Power quality	Feature Upgrade Power quality	-
Residual current	-			●	-	-
Communication	37000	37001	37002	37010	37020	37100
RS485	-	-	-	-	●	-
Ethernet	-	-	●	●	●	-
USB	-	-	-	●	-	-
Local Bus	-	-	-	● (Link to 37100)	-	● (Link to 37010)
Webserver	-	-	●	●	●	-
M-Bus	-	-	-	-	-	-
Modbus RTU	-	-	-	-	●	-
Modbus TCP	-	-	●	●	●	-
Gateway Modbus Master	-	-	-	-	-	-

