

Product Datasheet - Technical Specifications



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Your contact

Technical and commercial sales, price information,
quotations, demo/test equipment, consulting:

Tel.: **+49 - (0)81 41 - 52 71-0**

FAX: **+49 - (0)81 41 - 52 71-129**

E-Mail: sales@meilhaus.com

Meilhaus Electronic GmbH
Am Sonnenlicht 2
82239 Alling/Germany

Tel. **+49 - (0)81 41 - 52 71-0**
Fax **+49 - (0)81 41 - 52 71-129**
E-Mail sales@meilhaus.com

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Sefram

NEW

SP297B - SP298B

All in One Flexible AC Current Probe Meter with Bluetooth® interface



TRMS AC

Specifications :

- 2 available dimensions :
 - SP297B : flex de 254mm
loop of approximately 100mm diameter
 - SP298B : 458mm flex
160mm diameter loop approx
- 10 000 count LCD dual digital backlight display
- Fully automatic measuring
- Current measurement up to 3000 A AC
- Voltage measurement up to 1000 V AC/DC
- Frequency measurement up to 10 kHz
- Resistance measurement up to 10 kΩ
- Continuity with buzzer
- Simultaneous Voltage and Hz display
- Simultaneous Current and Hz display
- True RMS reading on ACA and ACV
- Bluetooth® interface
- Torch light
- Data Hold

An ergonomic device

Perform current measurements on electrical busbars using the flexible probe. 2 sizes are available: 100mm buckle with the SP297B and 160mm buckle with the SP298B.

All in One device

Benefit from all the useful functions: current measurement up to 3000A AC, voltage measurement up to 1000V AC / DC, frequency measurement, resistance and continuity measurement with buzzer.

Security in measurements

Stop looking for which measurement mode to position the device. It has a mode change as well as an automatic range change.

A connected device

With its Bluetooth® interface and its application dedicated to tablets or smartphones (Android or Ios), you can monitor your measurements and record them in real time. Then export the data via the tablet or the smartphone in .csv file in order to be able to process them in a spreadsheet software.



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SP297B - SP298B



All in One Flexible AC Current Probe Meter
with Bluetooth® interface

Specifications	SP297B	SP298B
Electrical Specifications		
AC Current		
Range	30 A / 300 A / 3000 A	
Accuracy	±(3% + 5dgt)	
Resolution	0,01 A to 1 A	
Minimal reading current	1 A	
Crest factor	Up to 3	
Position error of clamp	from ±1% to ±3% (check in the manual)	
AC Voltage (TRMS AC)		
Range	1000V	
Resolution	0,1 V	
Accuracy	±(1,5% + 5dgt)	
Bandwith	45 Hz to 500 Hz	
Minimal reading voltage	3 V	
DC Voltage		
Range	1000V	
Accuracy	0,1 V	
Resolution	±(0,7% + 5dgt)	
Minimal reading voltage	+ 2,4 V / - 0,7 V	
Frequency		
Range	100 Hz to 10 kHz	
Resolution	0,01 Hz to 1Hz	
Accuracy	±(0,3% + 3dgt)	
Sensibility	depending of range: from 3 A and from 10 V	
Minimal reading frequency	10 Hz	
Resistance		
Range	1000 Ω and 10 kΩ	
Resolution	1 Ω	
Accuracy	±(0,9% + 2dgt)	
Continuity	yes with buzzer (less than 20 ohm)	
Fonction	HOLD	
General Specifications		
Display	LCD display with backlight	
Counts	10 000 counts	
Overload display	OL or OL-	
Probe diameter	11 mm	
Maximum conducteur size	254 mm	458 mm
Measuring rate	up to 2 sample per sec.	
Response time	2 s	
Interface	Bluetooth® (Bluetooth® Low Energy 4.0, Effective range: Open air 10m)	
Temperature of use	-10°C to 50°C	
Humidity	between 45% and 80% (check in manual)	
Stockage temperature	-20°C to 60°C (without batteries), HR < 80%	
Security	600V - CAT IV and 1000V - CAT III	
Standards	IEC/EN 61010-1, EN 61010-2-032, EN 61010-2-033	
Battery type	2 Batteries, IEC LR6, Alkaline (AA) Battery life: Alkaline 60 hours after 20 minutes	
Auto Power Off		
Dimensions	120 x 288 x 35 mm	130 x 358 x 55 mm
Weight (without batteries)	230 g	230 g

Supplied with : safety measurement cables (SA101), manual, batteries.





FT-SP297B-SP298B A 00 - Specifications can be updated without notice