



IPC EVALUATION KIT // PRECISE CURRENT SENSING

ISAscale® evaluation kit for high-bandwidth precision current measurement

Introduction

Learning package for the ISAscale® phase current sensor IPC-MOD

- Using the 1-bit data stream
- Different filters and filter types
- Up to three IPC-MOD sensors in parallel
- Using clock up to 20 MHz



Applications

- Frequency AC/DC current measurement for drive technology
- Inverter technology
- Motion drive
- UPS systems
- Laboratory

Features

- Software can display the data in time or store data to file
- 64-bit CPU and OS allowing longer measurement time
- Measurement system is galvanic isolated (1.5 KV)
- Protection degree IP 62

Kit content

- 1x ISAscale® measurement system IPC-MOD-*-I-TTL-5-RJ45 * (100/300/500/1,000 or 2,500 A version)
- 1x Evaluation board
- 1x Software on USB-Stick
- 2x Ethernet cables (Length: 25 and 50cm)
- 1x Power supply unit 24V
- 1x Aluminium case

Technical data

IPC-MOD						Unit
Measurement range	±100	±300	±500	±1,000	±2,500	A
Resolution	7	20	55	95	380	mA
Initial accuracy	±0.2					% of reading
Total accuracy	±1.0					% of reading
Offset	0.05					% of range

Evaluation kit			Unit
Power supply	24		V
Frequency	2 - 21		MHz
IPC Connector	3		Slots
Digital to analog converter	3		Slots
Output	Ethernet		