

# Fluke Norma 6000 Series Portable Power Analyzers



Fluke Norma 6003



Fluke Norma 6004



The Fluke Norma 6000 Series Portable Wide-band Precision Power Analyzers gives you more freedom than ever before to make high accuracy power measurements wherever you need. Designed for portability the lightweight, battery powered Fluke 6000 Series eliminates the need to carry large analyzers into the field, allowing you to make measurements directly at the load in nearly any environment. By measuring directly at the load, you can discover how the equipment operates under real-world conditions, with real-world variables, not just at a test bench or in the lab.

- Measure three-phase power and DC output power at the same time (available in 3 or 4 channel), with voltage and current inputs on each channel
- Make mechanical torque and speed measurements using the included inputs and outputs of the Fluke 6003+ and 6004+
- 0.1% accuracy, 500 kHz bandwidth, 200 kS/s sample rate so you can rely on the power conversion system measurements you take no matter what distortion may be present
- Take precision power measurements almost anywhere – highly portable, battery powered analyzer weighing only 3.5 kg and 9.3 cm depth with up to 10 hours of battery life
- View critical data in the field on the main display meter, including waveform, harmonics up to the 100th, vector and trend
- Ensure high common-mode rejection and allow flexible configurations according to measurement requirements using the electrically isolated channels
- User-adjustable measurement rate from 100 ms to 1 s with continuous logging via 32 GB of onboard storage
- Easy in-field set up using the large 5.7" front LCD screen or a remote PC connection (USB or RS485),
- Online measuring, data download and analysis with included PC software (Fluke NormaView Software)
- Three-year warranty

	Norma 6003	Norma 6003+	Norma 6004	Norma 6004+
Number of channels for voltage/current	3/3	3/3	4/4	4/4
Motor speed/torque measurement	-	Yes	-	Yes
Basic accuracy	0.1%			
Channel-to-channel isolation	Yes			
Main Function	Meter, Scope, Harmonic, Phasor, Trend			
Measuring Parameters *Available in N6003+ and N6004+ only	RMS, DC Component, AC Component, Rectified Mean, Peak Value, Peak-Peak, Crest Factor, Form Factor, Fundamental Component, Fundamental Content, Harmonic Distortion, Harmonic Content, Harmonic Factor for voltages and currents, Active Power, Reactive Power, Apparent Power, Power Factor, Phase Shift, Efficiency, Impedance, Electric Energy, Charge/Discharge capacity (Ah), Frequency, Motor Speed*, Torque*, Mechanical Power*, Mechanical Energy*			
Ingress Protection (IEC 60529)	IP50			
Safety Compliance (IEC 61010-2-030)	CAT III 1000 V, CAT IV 600 V			
Color screen	14.48 cm (5.7 in), backlight, 4:3			
Lithium battery	10.8 V/5000 mAh, 54 Wh			
Communication Interface	USB/RS485			
PC Software	Fluke NormaView Software			
Storage Capacity	32 GB			

## Recommended Accessories



**801-2010S**  
2000 A AC/DC  
Current Clamp



**801-2010S/3PK**  
2000 A AC/DC  
Current Clamp 3 pack



**BP291**  
Additional Battery



## Included Accessories

Battery BP291, Power Supply Adapter (18V DC, CAT IV 600V Adapter), Power Line Cord, Soft Case, Mains Adapter Set, Test Lead Set, USB (mini B) Cable, RS-485/Synchrony Adapter (3.81 mm, black, 3 pin), Speed / Torque Adapter (3.81 mm, black, 6 pin), USB Flash Drive for PC SW and User Manual.

**3-Channel Models:** Test Leads, 1.5 m, 3× Red, 3× Black, 6× Blue, Alligator Clips, 3× Red, 3× Black, 6× Blue

**4-Channel Models:** Test Leads, 1.5 m, 4× Red, 4× Black, 8× Blue, Alligator Clips, 4× Red, 4× Black, 8× Blue

## Ordering Information

**NORMA 6003** 3-Channel Portable Power Analyzer

**NORMA 6003+** 3-Channel Portable Power Analyzer with Speed/Torque Inputs

**NORMA 6004** 4-Channel Portable Power Analyzer

**NORMA 6004+** 4-Channel Portable Power Analyzer with Speed/Torque Inputs

Power Quality

Contact your local distributor for price and availability.  
fluke.com/wtb

