



TORONTECH

ADVANCED PORTABLE PARTICLE QUANTIFIER INSTRUMENT - TORONPQI™ 3000



ToronPQI™ 3000 - Rugged, Portable, and Intelligent - ASTM D8184

The ToronPQI™ 3000 is the flagship model of the ToronPQI-Series — an advanced ferrous debris analyzer designed for both laboratory and field use. Equipped with a 7-inch touchscreen display, USB data output, and an optional built-in rechargeable battery (ToronPQI-3000B), it delivers unmatched versatility and performance.

Using the same electromagnetic detection principle defined in ASTM D8184, the ToronPQI™ 3000 provides rapid, reliable, and repeatable PQ readings to monitor machine wear and lubricant cleanliness anywhere, anytime.

Compliance

- Fully meets ASTM D8184 requirements for Particle Quantifier Method. Each unit is calibrated and validated to ensure consistent PQ index measurement in all environments.

APPLICATIONS

Applications

- Mobile maintenance and on-site oil analysis
- Industrial, marine, and aerospace condition monitoring
- Power plant and mining equipment diagnostics
- Research institutions and lubricant evaluation centers

Advanced Portable Particle Quantifier Instrument - ToronPQI-3000

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FEATURES

Key Features & Benefits

- ASTM D8184 Compliance – standardized, traceable PQ measurement.
- Large 7-inch Touchscreen for intuitive operation and instant visualization.
- Rechargeable Battery Option (3000B) for true field portability.
- Rapid Measurement Cycle (7 seconds) for high throughput.
- PC Software Integration – trend plotting and data management.
- Rugged Housing suitable for harsh industrial or remote environments.

TECHNICAL SPECIFICATIONS

Parameter	Specification
Measurement Range	0 - 15 000 PQ
Repeatability	± 4 PQ or ± 1 %
Measurement Time	≈ 7 s
Display	7" Touchscreen LCD

Parameter	Specification
Data Output	USB Interface
Voltage	AC 220 V $\pm$ 10 %, 50–60 Hz (110V is also available)
Battery Version (3000B)	12 000 mAh Li-ion, DC adapter charging
Dimensions	430 × 225 × 140 mm
Weight	≈ 4.7 kg (3000) / 5.1 kg (3000B)



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

