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Vickers

Target-Pro 2 Portable Particle Counter

Laboratory Quality
Particle Count Results
in the Field



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Lab Quality in the Field

Eaton's Target-Pro 2 Portable Particle Counter gives you laboratory quality particle count results in the field. It combines state-of-the-art laser particle counting technology with a user-friendly interface and compact size. It allows you to monitor the fluid cleanliness of hydraulic and lubrication systems, and take action if necessary.

The Target-Pro 2 includes two rolls of thermal paper, one waste bottle, one waste hose, one pressure hose, one power adapter, one RS-232 serial cable, and Target-Pro 2 software for Windows. A Bottle Sampler is available as an option.

The Eaton Method of Systemic Contamination ControlSM:

1. Set a Target Cleanliness Level for the system.
2. Achieve the Target Cleanliness by appropriate filter selection and placement.
3. Maintain the Target Cleanliness by monitoring the system and taking action as necessary.



The Target-Pro 2 measures and quantifies solid contaminants in hydraulic, lubrication and transmission applications. It is designed to provide laboratory accuracy at the job site, whether your application is mobile or stationary.

Target-Pro 2 Analyzer



Target-Pro 2 software for Windows, included with the analyzer, allows you to download test results and analyze cleanliness trends over time.



Technical Information

Technology	Automatic Optical Particle Analyzer
Laser Package	Twin Laser and Twin Optical Diode Detectors
LCD display	(backlit)
Sensitivity	>4, 6, 14, 21, 25, 38, 50, 68 $\mu\text{m(c)}$, Micron range to revised ISO 4406 Standard
Accuracy/Repeatability	Better than 3% typical
Calibration	Each unit is individually calibrated with ISO Medium Test Dust (MTD) based on ISO 11171:1999 on equipment certified by I.F.T.S.
Analysis Range	ISO 8 to ISO 24 to ISO 4406 (NAS 1638-2 to 12)
Report/Print Format	ISO and NAS codes, with individual particle counts as a built-in option
Printer	Fixed head thermal printer (384 dots per line)
Target-Pro 2 Sample Volume	15 ml. (normal), 30 ml. (dynamic) 24 ml. (bottle sampler) 15 ml. (continuous), 8ml. (short)

Operation	Max. system working pressure, 400 bar; Min. working pressure, 2 bar
Viscosity Range	to 400 centistokes
Operating Temperature	+5 to +80°C
Fluid Compatibility	Mineral oil and petroleum based fluids (consult Eaton for other fluids)
Typical Test Time	Result in <2.5 mins. (normal test)
Power	Internal rechargeable battery (AC charger) or external 12/24 volt DC power supply
Data Storage	600 tests
Computer Interface	RS-232 (serial) communication port
Hose Connections	minimess fittings microbore hose, 1.5 m waste fluid hose
Dimensions	Height 210mm; Depth 260mm; Width 430mm; Weight 7.6 kg

Note: The Target-Pro should only be operated on petroleum based fluids, synthetic or biodegradable fluids. For phosphate esters, Skydrol®, crankcase fluids with high soot content, or water glycol, please consult Eaton.

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