

HIAC GLYCOUNT™

GLYCOL LIQUID PARTICLE COUNTER



*Glycol fluid monitoring
just got easier*

Features

- Compatible with Transaqua HT, Oceanic HW540, Oceanic HW443 and Pelagic 100
- Efficient and intuitive to use
- Immediate laboratory-quality on-site results
- Reports SAE and ISO cleanliness classifications
- Standard bottle and on-line modes
- Multiple language support
- Reduce cycle time for filtration processes
- Monitor real-time system operations
- Track online system cleanliness at the point-of-use

Applications

- Glycol hydraulic fluid contamination monitoring
- Cleanliness certification for subsea petroleum production equipment

Hach Ultra, the makers of HIAC liquid particle counters, introduces a new development in glycol cleanliness monitoring. The portable HIAC GlyCount™ measures, stores, and reports glycol fluid cleanliness in a fraction of the time needed for traditional analysis methods. This new portable HIAC instrument analyzes glycol fluids and coolants in bottle sampling or on-line modes. The new HIAC GlyCount provides rapid test results that are as accurate as a conventional laboratory microscope or liquid particle counter analyses. The portable HIAC GlyCount delivers cleanliness results at the point-of-use under actual operating conditions.

With a concentration limit of 30,000 particles/mL, the HIAC GlyCount monitors the dirtiest glycol fluids. Superior optics and design provide eight channels for reporting particle counting data. Temperature measurement is also available for assessing fluid conditions.

The HIAC GlyCount features a wide array of reporting formats, including NAS 1638, SAE AS 4059 and ISO 4406. The HIAC GlyCount can be calibrated with PSL spheres in water or ISO-MTD in glycol.

The instrument contains a buffer for storing 500 analysis results. A rugged carrying case is also included for your portable offshore needs.

www.hachultra.com



EXCELLENCE IN PROCESS ANALYTICS

Performance Specifications

Number of Channels	8
Flow Rate	50 mL/min standard
Calibration	PSL Calibration and ISO-MTD in glycol
Counting Efficiency	Meets JIS B9925:1997
Concentration Limit	20,000 particles/mL at 5% coincidence loss (per ISO 11171) 30,000 particles/mL at 10% coincidence
Fluid Temperature Range	0 to 65°C at 25°C ambient (32 to 150°F at 77°F ambient)
Measured Fluid Temperature	0 to 65°C, ±0.5°C (32 to 150°F, ±0.9°F)
Viscosity Range	2 to 50 cSt
Wetted Materials	Brass, stainless steel, sapphire, PTFE, and Aflas®
Cleanliness Classification	SAE AS 4059, NAS 1638, ISO 4406-1991, ISO 4406.2-1999
Data Storage	500 Sample Records
Dimensions	17.8 D x 33.0 W x 35.6 H cm (7 x 12.5 x 14 inches)
Weight	9.5 kg (21 lbs)
Serial Communication	RS-232
Bottle Operation	Sample Volume: 3 runs (averaged) of 5, 10 or 20 mL/run, programmable Purge Volume: 15 to 30 mL, programmable Pressure Cartridge: CO ₂ , replaceable, rechargeable Operating Time: 60 samples per cartridge (120 mL sample bottle) Shop Air: 90 to 110 psi (6.2 to 7.6 bar) clean, dry
On-line Operation	Sampler Volume: 3 runs (averaged) of 5, 10, 20, 50 or 100 mL/run, programmable Purge Volume: 25 to 999 mL, programmable Fluid Pressure: 100 to 3000 psi (7 to 207 bar)
Power	+24 VDC @ 2A maximum
AC/Battery Adapter	Universal 100 to 240 VAC, 50 to 60 Hz, 60 W
Battery	Nickel-Metal Hydride
Battery Operating Time	100 samples or 4 hours continuous
Battery Recharge Time	2.5 hours
Ambient Operating Conditions	0 to 50°C (32 to 122°F), 20 to 85% relative humidity, non-condensing
GlyCount Storage Conditions	-40 to 70°C (-40 to 158°F), up to 98% relative humidity, non-condensing
Accessories Included	Ultrasonic Bath, Carrying Case, High Pressure Hose Adapter, CO ₂ Bottles, Hand Pump, Sample Bottles, PODS Control Software
Optional Accessories	Additional Sample Bottles (glass) Additional CO ₂ Bottles



Global Headquarters

6, route de Compois, CP 212
1222 Vézenaz, Geneva, Switzerland
Tel +41 (0)22 594 64 00
Fax +41 (0)22 594 64 99

Americas Headquarters

481 California Avenue
Grants Pass, Oregon 97526, USA
Tel 1 800 866 7889 / +1 541 472 6500
Fax +1 541 472 6170

