

# Xcela-290 Series™

## CO<sub>2</sub> PURITY ANALYZER

PRODUCT BRIEF  
TURN-KEY MOBILE RACK CO<sub>2</sub> ANALYZER



### KEY BENEFITS

- Comprised of rugged, reliable analyzers with totally Silconert® passivated hardware & tubing that meet all ISBT guidelines for sampling & testing of beverage-grade CO<sub>2</sub>.
- This Xcela™ system offers on-line measurement of Total Sulfur Content (TSC), Aromatic Hydrocarbon (Benzene), Acetaldehyde (AA), Methanol (MeOH), Total Hydrocarbon Content (THC), Water Vapor (H<sub>2</sub>O) & Trace Oxygen (O<sub>2</sub>). Note: On-line monitoring of NO<sub>x</sub> / NO<sub>2</sub> is optional.
- A GAS-5XLT™ detector tube (DT) based analyzer is included for *fail-safe* back-up testing of TSC, Benzene, AA, MeOH, H<sub>2</sub>O as well as periodic testing of many other impurities (ex. H<sub>2</sub>O, SO<sub>2</sub>, CO, NO<sub>x</sub>, NO<sub>2</sub>, NH<sub>3</sub>, HCN, VCl, H<sub>2</sub>S, PH<sub>3</sub>, %CO<sub>2</sub> [with ZN-49 accessory], Sensory [with Sensory 15/16 accessory]).
- ALI's Methods Manual includes all validated ISBT / CGA / EIGA specified methods. All systems are shipped fully plumbed, tested & professionally crated for safe transport plus rapid on-site start-up.
- An ASCM-10 gas controller allows for either operator or automated data station control of up to 10 sample lines plus analyzer auto-verify / auto-cal functions.
- An intuitive, industrial-grade data station (DSA Blackbox™) conveniently displays up to 32 channels of test data, performs data-logging, allows manual test data input (ex. DT, NVR, % CO<sub>2</sub>, Sensory), issues quality alarm alerts, generates CoA reports (for several purity grades), features operator-programmed sample-line sequencing & remote access for data quality auditing or preventive maintenance services.
- ALI & its worldwide service network offer installation, training, expert technical support, ISO-certified lab back-up, preventative maintenance, repairs, spares, all calibration & support gases plus all consumables (ex. all Mfg DT models).



**GE DEW IQ**  
Moisture Analyzer



**BASILINE BAM 8900**  
Aromatic Hydrocarbon (Benzene)  
Acetaldehyde (AA), Methanol (MeOH)



**BASILINE TSC 8900**  
Total Sulfur Content Analyzer



**GAS-5XLT™**



**ASCM-10-2**  
Automated Sample Line and  
Calibration Control Module



**BASILINE THA 9000**  
Total Hydrocarbon Analyzer (THA)



**All GPR-1600**  
Trace Oxygen Analyzer



**DSA BLACKBOX™**  
Data Station



Hydrogen Generator  
Proton On-Site  
Hogen-300



Zero Air Generator  
Parker Balston  
with GAST Compressor  
& Auto-Drain.



Data Station  
Desk & Printer



PowerVar  
Power Conditioner &  
Surge Protector



Digital Flow Meter  
(Pressure &  
Temperature Compensated)  
& Mini Leak Detector



Calibration Gases  
(available in various sizes)



Detector  
Tubes



Sampling Cylinder  
with Vaporizing Pressure  
Regulator & stand.  
(for Liquid CO<sub>2</sub> Sampling)



ZCheck 5XLT  
Passivated Check Valve Assy  
& Zahm & Nagel % Purity



ISO / IEC 17025:2005

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