

APPLICATION NOTE

LD23-05

PST
PROCESS SENSING
TECHNOLOGIES

LDetek
A PST BRAND

Turnkey solution for ASU gas producers and SEMI applications

LDGSS gas stream selector using diaphragm stainless steel valves for ultra high purity streams

MultiDetek3 gas chromatograph configured with plasma emission detector for part per billion detections



LDGDSA gas dilution system for generating ppb calibration mixtures

LDP1000 gas purifier series used to generate grade 99.999999% purity carrier gas to ensure low ppb detection



Chromatograms for trace impurities H₂-O₂-Ar-N₂-CH₄-CO-CO₂-NMHC in bulk gases Oxygen/Nitrogen used for semiconductor application. The MultiDetek3 gas chromatographs are configured with PED and proper columns to measure within a range of 0-100ppb with a limit of detection set at 0.5 ppb.

