

Agilent Detector Supplies

Agilent wavelength detectors combine exceptional flexibility with superior instrument control, data communication, and analytical capabilities. This section shows you how to maintain your detector's high level of selectivity and sensitivity.

DETECTOR MAINTENANCE TIPS		
SYMPTOM	WHAT TO DO	ADDITIONAL INFORMATION
Lamp does not ignite	Exchange the lamp	Perform a wavelength calibration test and an intensity test after lamp replacement
Noise exceeds application limit	Exchange the flow cell	Perform a wavelength calibration test after flow cell replacement
Drift exceeds application limit	Exchange the lamp	Perform a wavelength calibration test and a pressure tightness test after flow cell replacement
Leaky flow cell (For G4212 only)	Exchange the flow cell	Perform a wavelength calibration test after flow cell replacement
Leaky flow cell (For all G1314/G1315/G1365 detectors)	Clean or exchange the flow cell	Perform a wavelength calibration test and a pressure tightness test after flow cell replacement
Lower intensity (For G4212 only)	Exchange the flow cell	Perform a wavelength calibration test after flow cell replacement
Lower intensity (For all G1314/G1315/G1365 detectors)	Clean or exchange the flow cell	Perform a wavelength calibration test and a pressure tightness test after flow cell replacement

Agilent Certified Lamps

- ➔ All lamps are tested for noise and drift specifications, correct operating voltage, light intensity and proper alignment
- ➔ Improved coating process increases Agilent lamp lifetimes up to 50%
- ➔ Agilent deuterium lamps are designed with a much narrower aperture providing increased light intensity and decreased noise – translating into an appreciably higher signal-to-noise ratio
- ➔ By providing higher sensitivity, Agilent lamps can extend detection capabilities and improve qualification trace levels—for more than 2,000 hours of use

Agilent's lamps are manufactured in an ISO9001 certified environment and are fully traceable throughout every step of the production process. Each lamp is then tested to ensure it meets Agilent's performance specifications. Test equipment is regularly calibrated using optical standards certified by NIST (National Institute of Standards and Technology) or PTB (Physikalisch-Technische Bundesanstalt).

AGILENT DETECTOR LAMPS		
PART NO	DESCRIPTION	COMMENTS
VARIABLE WAVELENGTH DETECTOR (VWD)		
G1314-60101	Long life Deuterium lamp with RFID tag	For G1314D/E/F and G7114A/B
G1314-60100	Long life Deuterium lamp	For G1314A/B/C, 1120 and 1220 Infinity LC
DIODE ARRAY DETECTOR (DAD)/MULTIPLE WAVELENGTH DETECTOR (MWD)		
5190-0917	Long life HiS Deuterium lamp (8-pin) with RFID tag	For G4212A/B and G7117A/B/C
2140-0820	Long life Deuterium lamp with RFID tag	For G1315C/D, G1365C/D, G7115A and G7165A 1220 LC with DAD
2140-0813	Long life Deuterium lamp	For G1315A/B and G1365A/B
5182-1530	Long life Deuterium lamp	For G1315A/B and G1365A/B
2140-0590*	Deuterium lamp	For G1315A/B and G1365A/B
G1103-60001	Tungsten lamp	For G1315A/B/C/D and G1365A/B/C/D

*Standard lamp for 1000 hours of use only



G1314-60100



5190-0917



2140-0813



5182-1530



2140-0590