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Beckman Gold HPLC- Beckman 166 Detector

Beckman Gold® HPLC systems incorporate the latest technological advances in hardware design. The solvent delivery modules are built with the digitally controlled rapid refill pump design with automatic compressibility compensation that has received multiple patents. These features produce smooth flow from microbore to semi-preparative flow rates, and the high-pressure mixing design eliminates the need for constant helium sparging or degassing. The pumps are combined with high-sensitivity UV/VIS and diode array detectors and autosamplers with automation capability to build HPLC systems that have a reputation for the best performance, ease of use and troubleshooting, and longevity due to a solid and reliable design.

Beckman 166 UV-VIS Detector (p/n 728166) Specifications

UNSPSC:41115701

Mercury Content:Item Contains Mercury -
Dispose According to
State/Local Law

Weight:10 kg (22 lbs)

Bandwidth:< 5nm @ 254

Detector:Double-beam, grating
monochromator, dual
photodiode sensor

Dimensions:H 20.3 cm (8 in), W 30.5 cm
(12 in), D 52.1 cm (20.5 in)

Drift Analytical Flow< 0.0001 AU/hr at constant
Cell:temperature

Electrical:90 to 130 VAC or 198 to 254
VAC, 50 or 60 Hz, 130 watts,
2 Amps

Environment:Ambient temperature 4° C to
40° C

Light Source:UV-pre-aligned D2 lamp
190-360 or 361-700 nm,
Visible-optional tungsten
lamp 361-700 nm

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Linearity Analytical Flow $\pm 1\%$ from 0.1 to 1.0 AU to \pm
Cell: .001 AU below 0.1 AU $\pm 5\%$
from 1.0 to 1.5 AU

Material: Stainless Steel

Maximum Back Pressure: 1,000 psi

Memory Protection: Battery back up maintains
parameters for 1 week

Noise Analytical Flow < 0.00002 AU peak-to-peak
Cell: 1.1 second rise time at 220-
280 nm, 1 mL/min methanol

Optional Flow Cell: Micro 4 μ L/5mm/ss, Prep 2.8
 μ L/0.5mm/ss

Path Length: 10 mm

Programmable Audible Yes

Alarms Function
(Standard or
Programmable):

Programmable Auto Zero Yes

Function:

Programmable Yes

Bandwidth Function:

Programmable Event Yes

Mark Function:

Programmable Lamp Off Yes

Function:

Programmable Peak Yes

Threshold Function:

Programmable Range Yes

Function:

Programmable Relays Yes

On/Off Function:

Programmable Rise Time Yes

Function:

Programmable Scan No

Storage Function:

Programmable Stop Data Yes

Function:

Programmable Yes

Wavelength Function:

Rise Time: Selectable 0-5 seconds

U.P.S Load: 2 Amps

Wavelength Accuracy: ± 2 nm after calibration

Wavelength Range: 190-800 nm Single Channel,
Programmable, Req.
Tungsten Lamp for Visible

Wavelength± 0.05 nm

Repeatability:

Flow Cell (Standard μL 17 μL

Capacity):



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