

## 7615 Split-Beam Spectrophotometer

### Introducing the 76 Series

Designed with your convenience in mind, the Jenway® 7615 UV/Visible split-beam CPLive™ enabled spectrophotometer provides accurate and reliable results and can be used in a multitude of laboratory environments, including, but not limited to: academic, multi-user groups, commercial and QC, molecular, pharma, and research laboratories. The split-beam technology provides a high resolution across the full spectrum. CPLive enabled spectrophotometers give you the flexibility to reproduce or adapt protocols, whilst saving results seamlessly to the cloud.

### Key Features

- Intuitive 7" HD touchscreen
- Multiple measurement modes
- Enhanced connectivity and data storage with CPLive
- Multi-language options: English, French, German, Spanish and Italian
- 3-year warranty (including the press to read Xenon lamp)

### Connected with CPLive™

With CPLive connectivity, you can upload results and protocols safely and securely to the cloud, share data with your colleagues, through the CPLive app on your computer, tablet, or smartphone. All your information, from single or multiple instruments, can be stored in one secure location, so data is never lost. Create a free account now at [CPLive.coleparmer.com](http://CPLive.coleparmer.com) to take advantage of unlimited data storage and share your valuable work with colleagues in your lab or around the world.

### Securely Connect

Safely upload and share data with other users

### Manage Devices

Simultaneously connect to multiple devices

### Store in the Cloud

Securely upload all your information to Cloud-based platform Azure

### Remotely Monitor

Compatible with PC, tablet and smartphone



### Measurement modes

- Photometric for single wavelength measurement
- Concentration calculated using a single standard or a factor
- Quantitation with the ability to create a calibration curve using up to 20 standards
- Kinetics to monitor change over time
- Full spectrum scanning with selectable intervals
- Multi-wavelength, where up to 4 wavelengths can be measured simultaneously

### Interface Design

- Navigation is fast and intuitive
- View scans and curves, zoom in and out, and select points right on the screen even when wearing gloves.
- Based on a user-friendly Android platform for easy navigation and instrument control.
- The home screen gives quick access to the different measurement modes as well as shortcuts to previously saved methods and results.
- Display allows full spectrum scans; quantitation curves and kinetics runs to be viewed effortlessly.
- The touchscreen is fast and responsive even when wearing gloves. Users can zoom in and out and select points.

### Enhanced Connectivity and Storage

- Easy access USB ports that can be used for software updates, data storage and printer connectivity.
- Results & methods can be stored as CSV files.
- CPLive connectivity allows results to be effortlessly and seamlessly saved and shared.
- Save methods and results in the generous 10GB of internal memory (upload to CPLive) for quick recall.

## Model 7615 Technical Specification

### WAVELENGTH

Range	198 to 1000nm
Accuracy	± 2.0nm
Repeatability	± 0.5nm
Spectral bandwidth	1.5nm

### PHOTOMETRICS

Transmittance	0 to 199.9%
Absorbance	-0.300 to 2.500A
Accuracy	± 1%T, ± 0.010Abs at 1.000Abs
Stray Light	<0.5% at 340nm and 220nm

### CONCENTRATION\*QUANTITATION\*KINETICS

Curve fit algorithms	Linear through zero, Linear, Quadratic through zero and Quadratic
Measurement time	2 to 9999 seconds
Calibration	Blank with a single standard or factor
Display	Graphical
Analysis	Concentration, rate of change, initial and final absorbance / %T

### SPECTRUM

Range	198 to 1000nm
Scan Interval	Selectable 1, 2, 5 or 10nm
Analysis	Absorbance or % transmittance and peaks and valleys and area under curve

### MULTI-WAVELENGTH

Data Points	Up to 4 Wavelengths
Calculations	Ratio and Difference

### OTHER

Light source	Xenon lamp
Internal memory	3.6GB or Upload to CPLive * 10GB onboard storage for results and methods
Size (w x d x h)	280 x 500 x 156 mm
Weight	9kg
Outputs	USB type A x2, USB type B x1, ethernet connection (RJ45)
Power supply	DC, 2.5A
Voltage/Frequency	100 - 240VAC at 50 to 60Hz
Warranty	3 years (in Xenon Lamp)