# Epson EMP-1810 Projector Specification Sheet

**The ultimate solution for high performance presentations**

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<tr>
<th><strong>PRODUCT TYPE</strong></th>
<th>Portable Multimedia Projector</th>
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<tr>
<td><strong>PRODUCT NAME</strong></td>
<td>EMP-1810</td>
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<tr>
<td><strong>PRODUCT CODE</strong></td>
<td>V11H233053</td>
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<tr>
<td><strong>PROJECTION SYSTEM</strong></td>
<td>RGB Liquid Crystal Shutter Projection System</td>
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<tr>
<td><strong>PROJECTION METHOD</strong></td>
<td>Front / Rear / Ceiling Mount</td>
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## SPECIFICATION OF MAIN PARTS

### LCD
- Size: 0.8 inches with MLA
- Driving method: Poly-Silicon TFT Active Matrix
- Pixel number: 786,432 pixels (1024 x 768) x 3
- Native resolution: XGA
- Aspect ratio: 4:3
- Pixel arrangement: Cross Stripe
- Refresh Rate: 50Hz-60Hz

### PROJECTION LENS
- Type: Manual: zoom / focus
- F-number: 1.75 - 2.42
- Focus length: 24 - 38.2mm
- Zoom ratio: 1:1.6
- Offset: 6:1

### PROJECTION LAMP
- Type: E-TORL 210 W UHE
- Optical System: Dichroic Mirror Separation & Prism Combine Method

### SCREEN SIZE (PROJECTED DISTANCE)
- 30 to 300 inch [1.39 to 14.69m] (Zoom: Tele),
- 30 to 300 inch [0.83 to 9.06m] (Zoom: Wide)
- 60” screen 1.8m - 2.9m

### BRIGHTNESS
- High Brightness Mode: 3500 ANSI lumens (Colour mode: Game, Zoom: Wide)
- Low Brightness Mode: 2700 ANSI lumens (Colour mode: Game, Zoom: Wide)

### CONTRAST
- 500:1

### BRIGHTNESS UNIFORMITY
- 90% (Typ.)

### COLOUR REPRODUCTIVITY
- Full colour (16.77 million colours)

### SOUND OUTPUT (Internal speaker)
- 5W monaural

### FUNCTION
- Pointer, User Logo, A/V mute, Freeze, E Zoom, Help

### EFFECTIVE SCANNING FREQUENCY RANGE (Analog)
- **PIXEL CLOCK**
  - 13.5MHz to 162MHz
- **HORIZONTAL**
  - 15KHz to 99KHz
- **VERTICAL**
  - 50Hz to 1205Hz

### ADJUSTMENT FUNCTION
- **PROJECTOR / REMOTE CONTROL**
  - Keystone / Brightness / Contrast / Tint / Saturation / Sound / Input signal
- **HEIGHT ADJUSTER**
  - Front-centre
- **TILT ANGLE**
  - 0 to 10 degrees
- **KEYSTONE CORRECTION**
  - Vertical: -45 to +45 degrees (Zoom: Tele)
  - Horizontal: -30 to +30 degrees (Zoom: Tele)
- **AUTO KEYSTONE CORRECTION**
  - Vertical: -30 to +30 degrees (Zoom: Tele)
- **SOURCE SEARCH**
  - Yes
- **AUTO DETECTION OF RGB / YCbCr**
  - Yes
- **MULTI SCREEN COLOUR ADJUSTMENT**
  - Yes
- **OPERATION PANEL PROTECTION FUNCTION**
  - Yes
- **PASSWORD PROTECTED FUNCTION**
  - Yes

### ANALOGUE RGB I/O
- **DISPLAY PERFORMANCE**
  - Native: 1024 x 768 pixels
- **INPUT SIGNAL**
  - Signal type: Separate signal
  - Video signal: Analogue (0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm)
  - Sync. signal: Separate (positive & negative, bi-polarity 2-5Vpp) / Composite (positive & negative, bi-polarity 2-5Vpp) / Sync-on-green (negative, 0.3Vpp)
- **AUDIO SIGNAL**
  - Audio signal: 500mVrms / 47K-ohm
- **VIDEO INPUT TERMINAL**
  - D-sub 15pin x 2 Blue-moulding
VIDEO I/O

DISPLAY PERFORMANCE
NTSC: 560 lines PAL: 560 lines (Depends on observation of the multi burst pattern)

INPUT SIGNAL
Video standard: NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM
Video signal: Composite Video (1.0Vpp / sync negative, 75ohm) / S-Video (Luminous 0.714Vpp, Chrominous 0.286Vpp, 75ohm) / Component Video (Analog Y level 0.7V 75 ohm / Cr Cb level +/-0.35V 75ohm / sync negative 0.3V or 3-state +/-0.3V on Y) / Video-RGB (0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm)

VIDEO INPUT TERMINAL
Audio signal: 500mVrms / 47Kohm
Composite Video: RCA (Yellow) x 1
S-Video: Mini DIN
Component Video: Mini D-sub 15pin Blue-moulding x 2 (in common with Analog RGB connector)
Video-RGB: Mini D-sub 15pin 2 x Blue-moulding (in common with Analog RGB connector)
USB Display

CONTROL I/O

USB I/O
I/O terminal: Type B x1 (for mouse, K/B, control)
I/O speed: Type B x 1: Ver 1.1

SERIAL I/O
I/O Terminal: D-sub 9 pin x 1
I/O signal: RS232C

OPERATING TEMPERATURE
5°C to 35°C (41°F to 95°F), (20% - 80% Humidity unfrozen)
Thermal shutdown > 45 degree C

OPERATING ALTITUDE
0m to 2286m < 0ft to 7500ft >
(over 1500m / 4,921ft with high altitude mode)

DIRECT Power On
Yes
DIRECT Power Off
Yes

COOL-DOWN PERIOD
Instant off

START-UP PERIOD
Approx. 10 seconds (Warm up period 30sec )

Exhaust direction
side

THEFT PROOF
Padlock & Security cable connection Yes
Kensington Lock connection Yes

POWER CONSUMPTION
lamp On 286W

DIMENSION
EXCLUDE FEET
257(D) x 345(W) x 86(H)mm

MAXIMUM DIMENSION
257(D) x 345(W) x 95(H)mm

WEIGHT
Approx. 2.9Kg

FAN NOISE
HIGH BRIGHTNESS MODE 37dB
LOW BRIGHTNESS MODE 32dB

ACCESSORIES
POWER CORD 3m
COMPUTER CABLE 1.8m, D-sub 15pin (Male) - Mini D-sub 15pin (Male)
REMOTE CONTROL Compact type
BATTERY Alkaline AAA x 2
AUDIO ADAPTER 3.5mm stereo miniplug (male) <-> RCA jack x2 (female) 15cm
SOFT CARRYING CASE Included
LENS COVER Built In
USER MANUAL SET Included (CD-ROM)
PASSWORD PROTECT STICKER Included
OWNER'S MANUAL Included

WARRANTY
STANDARD WARRANTY 2 years* *excluding lamp
* For more information visit Epson Projector Warranty

PRODUCT CODE V11H233053

PRODUCT OPTIONS
Product Code Item Code Description
ELP-LP40 V13H010L40 Lamp
3YWEMP1810 3YWEMP1810 3rd Year Warranty (*Australia Only)
7012084 7012084 Standard flush Ceiling Mount
7012083 7012083 Ceiling Mount with extendable pole (460mm expandable to 750mm)