



## LTC 2813/90 Color Video Monitor



- ▶ 36 cm (14 in.) Screen size
- ▶ Provides 400 TV lines of resolution
- ▶ Auto-sensing of PAL and NTSC signals
- ▶ Wide range power supply
- ▶ Front panel controls
- ▶ Metal case minimizes interference
- ▶ Audio capability
- ▶ Optional rack mounting

The LTC 2813/90 is a standard resolution color display monitor whose price/performance ratio provides an optimum solution for any low cost color system. Housed in a compact, space-saving metal cabinet, the LTC 2813/90 can be rack mounted in a 48.26 cm (19 in.) standard EIA rack using the optional LTC 9113/00 Rack Mount Kit.

### Functions

This monitor incorporates a 36 cm (14 in.), measured diagonally, CRT which delivers excellent color reproduction and picture clarity with more than 400 TV lines of resolution.

The LTC 2813/90 includes two loop-through composite video inputs, using BNC connectors and impedance switches. Video inputs are selected via a front panel slide switch. Single line level audio is also available. Additional front panel controls allow for adjustment of volume, sharpness, brightness, contrast, color, and tint. The LTC 2813/90 features an auto sensing function which automatically identifies whether input signals are PAL or NTSC. A universal power supply handles a wide range of power sources.

### Certifications and Approvals

Electromagnetic Compatibility (EMC)	Complies with FCC Part 15, ICES-003, and CE regulations
Product Safety	Complies with CE regulations, UL, CSA, EN, and IEC Standards Complies with DHHS Rules 21 CFR

## Technical Specifications

### Electrical

Model No.	Rated Voltage	Voltage Range	Power at Rated Volt.	Sync Format
LTC 2813/90	120/230 VAC	90–264	65 W	
	PAL/NTSC	50/60 Hz		

### Display Tube

35.6 cm (14 in.), measured diagonally, 90° deflection stripe pitch 0.65 mm, in-line guns, integral implosion protection

### Viewable Picture Area

33.2 cm (13.1 in.) measured diagonally

### Linearity

Horizontal	7%
Vertical	7%

### Horizontal Resolution

350 TVL (minimum)

400 TVL (typical)

### Video Input

Composite Video: 0.3 to 1.5 Vp-p, sync negative. Manual switching from 75 Ohm unbalanced to Hi-Z with loop-through operation via the impedance switch.

<b>Audio Input</b>	1 V line level
<b>Audio Output</b>	Loop-through line level, 1 W speaker

### Controls

Front Panel	Volume Sharpness Brightness Contrast Color Tint (NTSC only) Video input A/B selector switch Power: On / Off switch
Rear Panel	75 Ohm / Hi-Z impedance switch (loop through)
<b>Indicators (Front Panel)</b>	Power on LED

## Mechanical

### Connectors

Video A	Composite Video: two (2) BNC (1 in, 1 out)
Video B	Composite Video: two (2) BNC (1 in, 1 out)
Audio	Two (2) RCA phono jacks (1 in, 1 out)
Power Cord	Two (2) detachable, 3-wire IEC connectors with grounded plug, 1.5 m (5 ft) long. One (1) with a European/Continental plug type and one with a U.S. plug type

<b>Cabinet</b>	
<b>Material</b>	Steel with plastic front
<b>Finish</b>	Charcoal
<b>Dimensions (W x H x D)</b>	356 x 380 x 333 mm (14 x 15 x 13.1 in.)
<b>Weight</b>	13.2 kg (29 lb)

### Environmental

<b>Operating temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage temperature</b>	-10°C to 50°C (14°F to 122°F)
<b>Humidity</b>	10%–90%, non-condensing

### Accessories

LTC 9113/00 Rack Kit: For mounting one LTC 2813/90 monitor in a 48.26 cm (19 in.) standard EIA rack. One rack unit wide by 8 rack units high.

## Ordering Information

LTC 2813/90 Color Video Monitor 36 cm (14 in.), 400 TVL with audio, 120/230 VAC, 50/60 Hz	896028139001
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### Hardware Accessories

LTC 9113/00 Rack Kit for one (1) LTC 2813, LTC 2914, or LTC 2915, 14-in. high	896091130001
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