

Colorado Video

"Unique Video Instrumentation"

horizontal video caliper 307

Description

The Model 307 Video Caliper provides the means to take horizontal measurements of objects in a real-time video image.

The unit superimposes two vertical cursors onto the video display. The user can adjust the position of these cursors using front panel controls. The right-most control sets the distance between the cursors by moving the right cursor only. The left control moves both cursors across the screen while maintaining the distance between them. This arrangement allows dimensional comparison of objects across the image without disturbing the distance between the cursors. A 4 digit display indicates the distance.

Three scale adjustment controls calibrate the meter reading for a given distance between the cursors. A switch allows the user to select between the three control settings so that calibrations can be made and then selected as necessary for three different optical setups. These calibrations must be made any time the optics or distance between the image sensor and the object under scrutiny change. These controls require a small screw driver for adjustment in order to avoid inadvertent disturbance of the calibration.

The cursors can be set to white, black, or off.

Power input requirement is 9 VAC at about 150 mA. An AC adapter is included. The adapter is UL listed for safety and isolates the model 307 from ground in order to avoid interference inducing ground-loops.

Specifications

Video Input & Output:	NTSC or RS-170, 1 Vp-p, 75 W
Controls:	Display: sets cursors to black, white, or off, 3-position switch Position: moves both cursors left-right, single-turn Distance: moves right cursor only and changes meter indication, single-turn Calibration (3): changes meter indication, screw driver accessible, multi-turn Calibration Select: selects one of three calibration settings Decimal: sets position of meter display decimal point
Power Req:	9 VACC, <200 mA, 120 VAC Adapter (UL and CSA Listed) included
Op. Temp:	Dew point to 100°F
Indicators:	4½ digit LCD meter
Dimensions:	6.9"W x 4.9"D x 2.4"H sloping to 1.4"H
Connectors:	Video Input and Output: BNC Power: 2.1mm coaxial power jack
Options:	Multi-turn Position and Distance controls (Order Model 307A)

The model 307 lets you measure horizontal distances in real-time video images.



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

8/96