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Measuring distance just became easier with the new Cinematography Electronics CINE TAPE MEASURE System. This versatile ultrasonic system continuously calculates the distance between a subject and the camera's film-plane. By continuously measuring distance during a shot, small or subtle subject movements are no longer a problem. With non-stop measurements, focusing a camera lens is simplified which saves time, avoids retakes and reduces production costs.

The main components of our system are the CINE TAPE MEASURE CONTROL and the SENSOR ASSEMBLY. The control displays accurate distance measurements from the constant stream of data that is received by the sensors.

Our CINE TAPE MEASURE System is a small, rugged, lightweight, and quiet ultrasonic range finder. It is compatible with all lenses, film cameras and video cameras. In addition, our system is easy to set up and use, making it the first choice of professional filmmakers.

PRODUCT DESCRIPTION

Cine Tape Measure Control

The stylish Cinematography Electronics CINE TAPE MEASURE CONTROL is the brain of the system. It continuously computes the distance between the camera's film plane and the subject. A simple one-time Film-Plane offset adjustment programs the relationship of the film plane to the sensor position. When the control detects a subject, the green Sense LED glows and the calculated distance is shown on the LED display in either feet-inches or meters-centimeters. Adjustable brightness levels for the large red LED display offers comfortable viewing under different lighting conditions. The digital Sensitivity adjustment feature fine-tunes the system range, which is also helpful with different subject reflectivity. The Close Focus feature sets the minimum sense distance. Objects within this area are disregarded. All of the functions are set and stored digitally, which safeguards against accidental changes and provides accurate repeatability between units.

Sensor Assembly

The innovative Cinematography Electronics SENSOR ASSEMBLY consists of two small cone-shaped "horns," a miniature pan tilt mechanism, a mounting stud, and an electrical connector. The horns send and receive ultrasonic signals that are used to calculate the distance measurement. Mounting the SENSOR ASSEMBLY onto a camera package is simple with the combo stud. With its pan and tilt adjust/lock knobs, aiming the horns towards the subject is quick and straightforward. The SENSOR ASSEMBLY interfaces to the control via a short detachable Sensor Cable. A spring-loaded holder permits laser pens to be attached parallel to the sensors, providing a visual reference during calibration.

Remote Controller

A REMOTE CONTROLLER is available for filming conditions when the camera is mounted on a crane, mounted in an isolated location, or when a second displayed measurement is required on the opposite side of the camera package.

SPECIFICATIONS AND FEATURES

Cine Tape Measure Control

Size: Inch: 3.0 x 3.0 x 1.2 mm: 76 x 76 x 31
Weight: 7 oz. (195 Grams)
Construction: Machined Aluminum (Not Cast)
Finish: Black Anodize, Engraved
Measurement Units: Feet & Inches or Meters & Centimeters
Measurement Resolution: 1 inch; 1 cm
Film Plane Offset Range: -9 to 99 ft; -3 to 30 m
Close Focus Range: 12 to 30 inch; 30 to 90 cm
Sensitivity Range: 0 to 99 %
Sensitivity Adjustment: 5 % Increments
Select / Adjust Switch: Red Knob
FT-in / M-cm Switch: Toggle
Power Connector: Fischer 3 Pin
Sensor Connector: Fischer 5 Pin
Remote Connector: Lemo 6 Pin
Numeric Display: Bright Red LED
Sense Indicator: Bright Green LED
Film-Plane Adjust Indicator: Bright Yellow LED
Sensitivity Adjust Indicator: Bright Yellow LED
Circuit Protection: Auto Reset Fuse
DC Power Requirements: 9 to 32 Volts
Current Consumption: 50 to 150 mA
Mounting: Velcro

Sensor Assembly

Size: Inch: 3.5 x 5.4 x 3.6 mm: 88 x 137 x 92
Weight: 6 oz. (170 Grams)
Construction: Machined Delrin and Aluminum
Sensor Connector: Fischer 5 Pin
Pan Rotation: 360°
Tilt Movement: 180°
Pan and Tilt Lock: Twist Lock Knob (2)
Mounting Hole: 1/4-20 Threaded
Mounting Stud: 3/8-16 Threaded
5/8 inch, 15 mm, 19 mm Diameter

System Components

CINE TAPE MEASURE CONTROL
SENSOR ASSEMBLY
SENSOR CABLE
REMOTE CONTROLLER

Accessory Cables

25 Foot (7.5 Meters)
50 Foot (15 Meters)

Mounting Brackets

Adapter Bracket, 3/8-16 to 5/8
Dogbone Bracket
Square Hole Bracket, Arri 35-3, 35 BL

Power Cables

Arriflex, Fischer 3
Arriflex, Fischer 11
Aaton, Lemo 8
Panavision, Lemo 2