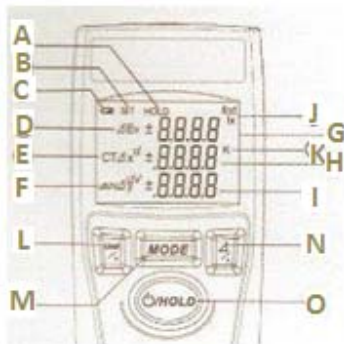


COLOR TEMPERATURE READER

Model:ST-520

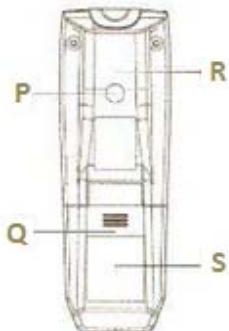


LCD and Control Panel:



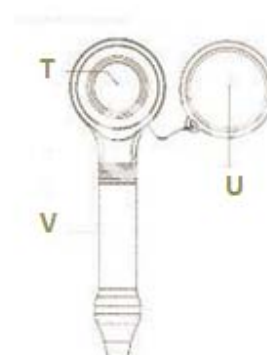
- A. Data Hold
- B. SET Function
- C. Low Battery
- D. Measuring Symbols of Primary Reading
- E. Measuring Symbols of Secondary Reading
- F. Measuring Symbols of Tertiary Reading
- G. Primary Reading
- H. Secondary Reading
- I. Tertiary Reading
- J. Illuminance Unit (lx or fcd)
- K. Color Temperature Unit (K)
- L. Unit / Down Button
- M. Mode Button
- N. Δ (Color Difference) / Up Button
- O. Power and Hold Button

Rear:



- P. Tripod Socket
- Q. Battery Cover
- R. Magnet Position
- S. Anti-slippery Pad

Probe:



- T. Receptor Head
- U. Receptor Cover
- V. Grip

Specifications:

Sensor Element	SPC (Silicon Photocell)
Measuring Function	<p>Illuminance : EV (lx or fcd)</p> <p>Color Coordinate: (x,y) , (u',v')</p> <p>Correlated Color Temperature: CT , Δuv</p> <p>Color Difference: (ΔEv, Δx, Δy) , (ΔEv, $\Delta u'$, $\Delta v'$) , (ΔEv, $\Delta u'v'$) , (one set of reference color)</p>
Measuring Range	<p>Ev: 0~80000 lx (0-7432 fcd)</p> <p>CT: 99990 K Max.</p>
Accuracy (at 25°C, 60% RH)	<p>Ev:± (3%+2 Digital) (3000lx, standard illuminant A measured)</p> <p>X,y :±0.02 (100 lx, RGB LED Light)</p>
Resolution	<p>Ev : 1 (0-9999) , 10 (Over 10000) , lx;</p> <p>0.1 (0.0~999.9) , 1 (Over 1000) , fcd ;</p> <p>CT : 1 (0~9999) , 10 (Over 10000) , k ;</p> <p>X,y :0.001: u' , v' : 0.001</p>
Response Time	Approx. 1sec
Repeatability	X,y: ±0.003 (100 lx, RGB LED Light)
Temperature Drift	<p>Ev: ± (5%+2 Digital) (3000 lx, standard illuminant A measured)</p> <p>X, y : ±0.008 (100 lx, RGB LED Light)</p>
Humidity Drift	<p>Ev: ± (3%+2 Digital) (3000 lx, standard illuminant A measured)</p> <p>X, y : ±0.005 (100 lx, RGB LED Light)</p>
Operation Temperature	32°F to 122°F (0°C to 50°C) , Less than 80% RH
Store Temperature	14°F to 140°F (-10°C to 60°C). Less than 85% RH
Battery life	70 hours or longer continuous use
Multi-Display	Triple readings
Over range indication	Yes (“—H I---“)
Data Hold	Yes
Low Battery Indication	Yes
Auto Power Off	10 Minutes of Idle
Weight	6.3 oz. (179g) without battery
Dimensions	<p>Main Instrument: 5.5 x 1.9 x 1.1 inch (140 x 49 29 mm)</p> <p>Sensor Probe: 6.5 x 2.0 x1.4 inch (165 x 50 36 mm)</p>
Accessories	9V Battery x 1, Instruction Manual x 1 , Carrying Case x 1

Made in China