

TL-1,54 CCD LASER RANGEFINDER



BY DESIGN AND DESTINATION, THE DEVICE ENSURES:

- The possibility of transmitting tactical range field information to a processing and display system
- The possibility to transmit video signal from a built-in CCD camera, containing a reticle image aligned with the laser beam
- The possibility of being integrated to any optoelectronic system by adapting the communication protocol

CHARACTERISTICS OF THE LASER RANGEFINDER:

- **Supply voltage:** 18V ÷ 32V cc;
- **Consumed power:** less than 60W;
- **Laser transmitter energy:** 8 ÷ 10 mJ
- **Laser pulse duration:** 20 ÷ 35 ns;
- **Measurement range:** 50 ÷ 10.000 m;
- **Measurement accuracy:** 5 m;
- **Resolution between 2 consecutive targets:** 40 m;
- **Laser beam divergence:** 0.8 mrad;
- RS 442 communication with external systems (RS 485 or RS 232 optional interfaces);
- Video signal in PAL format;
- The alignment accuracy of the reticle with the laser beam axis is 0.3 mrad;
- **Wight:** max. 2.4 Kg;
- **Size:** 122 x 222 x 95 mm;

TEMPERATURE RANGE:

- **Operating temperature:** -32 ÷ + 49°C;
- **Storage temperature:** -32° ÷ + 60°C;
- **Relative humidity:** 95% ± 3% at a temperature of + 40° C.

VIDEO CAMERA CHARACTERISTICS:

- **Sensor:** 1/3" SONY Super HAD CCD;
- **Pixels:** 752(H) x 582(V) Apr. 440 000nPixeli;
- **Output signal:** Composite / 1 Vp-p 75 Ω;
- **Horizontal resolution:** min. 500 TV lines.

TL-1,54 LASER RANGEFINDER

The TL – 1,54 Laser Rangefinder with integrated CCD camera is designed for determination of distances to the tactical field objects. It operates integrated within a detection and aiming system or can be delivered with a distance display unit which allows to operate the product without to be integrated. The TL – 1,54 Laser Rangefinder integration is ensured by the data RS 422 serial communication and by the video signal from the integrated CCD camera wich contains a reticle aligned with the laser beam for boresighting purposes.

