

B18-956

Mechanical 8-day-Chronograph

TRANSAS is presented as an official distributor of REVUE THOMMEN AG equipment for Russian aircraft.



Apart from aircraft instruments and air data computers the Swiss company REVUE THOMMEN currently manufactures the largest selection of rugged aircraft clocks and chronographs compliant with civil and military standards. In addition to outstanding reliability and high accuracy these mechanical 8-day chronographs are resistant to harshest environmental conditions including low temperatures and any kind of EM-interference or radiation.

Several lighting options including NVG compliance and different functionality levels guarantee an optimum of adaptation.

Type B18-956 is the ideal solution to replace old chronographs on Russian airplanes and helicopters. Using the A3R adapter the replacement can be easily made without any changes on panel or wiring.

Besides dozens of western made aircraft types from fighters to airliners, B18-956 is already proven on platforms like Mil Mi-8/17/24/171, Aero L-39/59, MiG-21/23//27/29, Sukhoi Su-22/25 and several Antonov and Tupolev types.

MAIN TECHNICAL CHARACTERISTICS

- mechanical 8-day movement with stop-watch and revolving bezel for split time measurement
- 2" or 3" (with A3R adapter) round case: black, grey or as requested
- internal lighting red, red/white, white or NVIS green, lighting voltage of 28V or 5V
- stop-watch with 12h/60min/60 sec elapsed time, Start/Stop/independent Fly-back-to-Zero functionality
- dial marking color white, day-glow-yellow or luminescent-white, -yellow or -green
- front glass with anti-reflective coating
- operational temperature of -60 to +55°C (with electrical 27V-heater), -35 to +55°C without heater
- storage temperature of -62°C to +71°C
- MTBF: 25'000 hrs
- 3-pin electrical connector for internal lighting

APPLICATION

Due to its complex functionality B18-956 is suited ideally for any single-pilot operated aircraft including fighters and trainers besides aircraft with only one chronograph on the panel. On airliners with two chronographs it meets all the requirements of crew coordination with fully redundant functionality. Its configuration is defined by test pilots of several air forces and airlines.

STOP-WATCH/ELAPSED TIME

B18-956 features a stop watch with 12 hrs/60 min/ 60 sec elapsed time operated by a dual mode switch with start/stop push sequence and independent fly-back-to-zero operation. Fly back-to-zero is even possible while the counter is running.

INTEGRAL REVOLVING BEZEL

The integral revolving bezel is used as the second elapsed time function to measure smaller time frames during departure and approach, holdings, procedure turns and for leg-time, time-distance-checks, outbound intercepts and others. Completely integrated in the case, the revolving bezel is set by a rotary knob.

CASE

The clocks and chronographs are supplied in a round 2" case, 2" semi-ARINC case or 3" case fully ff-compatible with older Russian chronographs. The color is black or grey or can be adapted to the customer requirements.

LIGHTING

Integral lighting is offered for 5 or 28V and different colors. All instruments are available with NVG-compatible lighting.

DIAL MARKINGS

The color of pointers and numbers on the dial can be selected in pearl white, day-glow-yellow or luminescent-white, -yellow and -green with long-term after-glow effect.

GLASS

All THOMMEN chronographs are equipped with antireflective coated glass according to MIL-C-14806.

ELECTRICAL CONNECTOR

3-pin connector for all lighted Clocks and Chronographs. The standard connectors meet all requirements of MIL-E-5400.