

Electronic clock

GMT 4150 / GMT 4170

General

Selected as a basic equipment for the ATR 42, Gulfstream IV program, this compact and versatile GMT electronic clock family uses a self contained time base, microprocessor and LCD displays.

The upper LCD displays GMT or LOCAL time.

GMT displays : a dot appears between the two left hand digits above the GMT inscription.

LOC display : a dot appears between the two right hand digits above the LOC inscription.

GMT 4150 : the elapsed time is controlled by the push button left corner of the bezel.

GMT 4170 : The elapsed time is controlled by a remote control switch.

Chronometer push button produces the following states : Start, stop and reset.



Technical features

- LCD display white on black background
- Stepper motor
- Microprocessor CMOS
- Remote chrono control on GMT4150
- Remote elapsed control on GMT4170
- Internal battery for the time base

Mechanical :

- Dimensions :
 - case : ovoid form STANAG 3405.
 - length : 4.5 inch (102mm) without connector.
- Weight : 0.9 lbs (440gr).

Power supplies :

- Internal lighting : 5V 400Hz.
- Aircraft power : 28 VDC, 0,055A.

Performances :

- Range :
 - GMT : 23h59min.
 - LOC : 23h59min.
 - ET : 99h59min.
 - CHR : 99min59sec.
- Time base accuracy :
 - one second per 120 hours at +25°C
 - two seconds max per day at extreme range temperatures (-15°C / +55°C).
- Environmental conditions : RTCA D0160B cat A2A.