

Tinytag Plus Re-ed Count TGPR-1201



Mechanical Data

Case Style : IP68 Style

Case Dimensions

Height : 34mm / 1.34"
 Width : 59mm / 2.32"
 Depth : 80mm / 3.15"
 Weight : 110g / 3.9 oz.

Features

Memory Size : 16k (Non-volatile)
 No. of Readings : 16000 (approx)
 Resolution : 8 bit
 Trigger Start : Magnetic reed switch
 Delayed Start : Relative / Actual up to 45 days
 Stop Options : When Full
 After n Readings
 Never (Wrap around)
 Reading Types : Actual, Min, Max.
 Logging Interval : 1 sec to 10 days
 Offload : While stopped or when logging in minute multiples
 Alarms : Two, fully Programmable
 Functional Range : -40°C → +85°C / -40°F → +185°F
 IP Rating : IP68 waterproof
 Battery Life : Up to 5 years

Notes:

Battery replacement recommended every 2 years. It may be replaced with Saft 3.6V 1/2AA Lithium cells. Stop the unit logging before replacing the battery.

The IP68 rating is only valid to depths of 50ft (15m) and only when the connector cap and sensor cable are securely fitted.

Sensor Details

Range : 0 → 255 counts per interval
 Max. Frequency : 50 counts / second
 'Divide by' counter : 1 to 255
 Input type : Digital, or volt-free Switch contact
 Max. Error : ± divisor/2
Digital Low level : -0.5V to +1V
 High level : 2.5V to 10V
 Min pulse width : 150us (at 5V)
 Min pulse separation: 150us (at 5V)
 Edge detection : High - Low transition
Contact Type : Normally Open (with Minimal debounce)
 Min closed time : 150us
 Min open time : 500us
 Edge detection : Open to closed

Approvals

This equipment complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause any harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This product is manufactured by Gemini Data Loggers (UK) Ltd. to EN ISO 9002 part 2 (Certificate No. 6134), and is CE approved to EN50081 part 1:1992 and EN50082 part 1 and 2:1992/95 with any standard leads or probes supplied.



Special Notes

When using the units at low temperatures, condensation may form. Before opening the case for any reason, allow the units to reach room temperature.

This logger forms part of the Tinytag Plus Re-educatable range. The measurement range and units can be changed with Re-Educator Software to suit the particular sensor to be attached.

It is suggested that the manual is read thoroughly to gain an understanding of the principles employed and the specific sensor requirements of the logger.

Interface Information and Related Products

To use your Tinytag Plus Re-ed Count Data Logger you will require:

Tinytag current/millivolt/count input lead (CAB-3246) or 2-pin plug only (ACS-9700);
 Tinytag interface cable (CAB-0007), PC with GLM for Windows™ (SW-0009) or Easyview for Windows 95™ (SW-0500).
 To change ranges and/or units you will need a PC, with Re-Educator Software V2.2 or above (SW-0506) and interface cable CAB-0007.

Further Related Products:

ACS-6000 Trigger Start Magnet
 SER-9532 Tinytag Plus Service Kit including battery, seal and silica gel pack
 TGPR-1200 Tinytag Plus Re-ed Count: PCB only, for OEM use.

Applications

Liquid flow sensing

People counting

Event logging