



Intrinsically-Safe Solar Pocket Calculator TI-36 Ex SOLAR



Mathematic functions:

The TI-36 Ex SOLAR is a solar-powered pocket calculator for use in hazardous areas. It allows computations and calculations to be performed as soon as there is sufficient light on the solar panel.

The unit switches on automatically and provides 160 operations, which are displayed to a maximum of 10 significant figures (plus a 2-figure exponent). The internal display register contains three data memories.

Simple operations such as percentage calculations can be performed as well as calculations involving metric conversion systems and physical constants.

A case is provided in which the calculator can be placed to protect it from damage.

The built-in solar panel makes an active contribution to environmental protection, as no batteries are required. At the same time, the user has a unit that is always ready for use.

- Algebraic Operating System
- Pending Operations and Parentheses
- Correcting Entry Errors
- Basic Operations
- Repeated Calculations
- Percentage Operations
- Memory Operations
- Reciprocals, Powers and Roots
- Logarithms and Antilogarithms
- Angle Units
- Deg/Min/Sec and Decimal Degrees
- Trigonometric functions
- Polar/Rectangular Conversions
- Physical Constants
- Metric Conversions
- Hyperbolic Functions
- Combinations, Permutations and Factorials
- Statistic Modes
- One-Variable Statistics
- Two-Variable Statistics
- Fractions
- Number-System Modes

Power supply:

- solar panel
- no batteries required
- no environmental pollution

Display:

- 10 significant figures
- 2-figure exponent

Fixed physical constants:

- speed of light
- electron charge

Ex-data:

Ex designation:
Ⓢ II 2 G EEx ia IIC T4

EC-Certificate of Conformity:
PTB 01 ATEX 21 33



I.S. Class I Division I Groups A-DT6
Class I Zone 0 AEx ia IIC T6

Technical data:

Power supply:	solar
Working temperature:	14°F to +104°F (-10°C to +40°C)
Storage temperature:	-4°F to +122°F (-20°C to +50°C)
Weight:	approx. 3.9 oz (110g)
Dimensions:	2.7" x 5.5" x 0.4" (70 x 140 x 10 mm)
Memory:	3 data memories
Display:	10 significant figures, 2-figure exponent