Intrinsically-Safe Solar Pocket Calculator TI-36 Ex SOLAR

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:
⟨Ex⟩ II 2 G EEx ia IIC T4

EC-Certificate of Conformity:
PTB 01 ATEX 2133

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.

Mathematic functions:

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
Boolean Logic Operations

Technical data:

Power supply:	solar
Working temperature:	-10°C ... +40°C
Storage temperature:	-20°C ... +50°C
Weight::	approx. 110g
Dimensions:	70 x 140 x 10 mm
Memory:	3 data memories
Display:	10 significant figures, 2-figure exponent