

F404T



TARGET MARKETS

- Photovoltaic power generation
 - Maintenance
 - Commissioning
 - Health and safety at work
- Low-voltage electricity distribution
 - Supply or distribution of electricity to end users (industrial, commercial or residential installations or equipment)
- Production of third-party energy sources
 - Steam, Hot water

- Pressure (liquids or gases)
- Industries
 - Conveyance or transport of raw materials or materials
 - Electrochemistry: Electrolysis
 - Electro-metallurgy
 - Heating: Firing, Smelting, Vaporisation, Drying
 - Welding
 - Pressing & Stamping
- Transport
 - Railways, Trams
 - Lifts, Hoisting
- ...

APPLICATIONS

- Securing the photovoltaic system and checking that there is no live current
- Maintenance
- Control or Monitoring
- Diagnostics
- Sizing
- Adjustment
- Connection
- ...

TARGET USERS

- Personnel working on photovoltaic installations
- Personnel authorised to carry out live working on low-voltage systems
- Industrial electrician
- Electrical technician
- Electromechanical engineers

COMPETITIVE ADVANTAGES

- Autocheck: Function for testing the correct operation of the clamp in DC current measurement. Patented function.
- Automatic AC/DC detection in A and V
- 1200 V_{AC} / 1700 V_{DC}
- CAT IV 1000 V / CAT III 1500 V
- 1000 A_{AC} / 1500 A_{DC}
- Clamping diameter 48 mm
- True InRush concept (Inrush current measurement)
- RELative and differential function on all measurements.
- 12-bit TRMS acquisition [AC] / [DC]
- IP54
- Large 10,000-count LCD display
- Max TRMS 100 ms
- 2-year warranty

TECHNICAL SPECIFICATIONS

	F404T
Clamping diameter	48 mm
Display	Backlit LCD
Resolution	10,000 points
Acquisition type	TRMS [AC]/[DC]
Automatic ranges (Autorange)	Yes
Automatic AC / DC detection	Yes
A AC	0.25 A to 1000 A (1500 A peak)
A DC	0.25 A to 1500 A
Highest Accuracy	1%L + 3 points
V AC	0.15 V to 1200 V (1700 V peak)
V DC	0.15 V to 1700 V
Highest Accuracy	1%L + 3 points
Hz	Current: 5.0 Hz to 2000 Hz
	Voltage: 5.0 Hz to 20.00 kHz
Ohm	0.1 Ω to 99.99k Ω
	Open-circuit voltage ≤ 3.6 V
	Measurement current ≤ 550 μ A
Audible continuity	Yes
	Continuity threshold adjustable between 1 and 999 Ω
Diode test (semiconductor junction)	Yes
Temperature (K-type)	$^{\circ}$ C: -60.0 to +1000.0 $^{\circ}$ C
	$^{\circ}$ F: -76.0 to +1832 $^{\circ}$ F
Functions	
Autocheck in _{ADC}	Yes
True InRush	Yes
Engine start	Yes
Load variation	Yes
Hold	Yes
Autocheck	Yes
Min / Max	Yes
Relative Δ X / Differential Δ X/X(%)	Yes / Yes
Auto Power Off	Yes
Protection rating	IP54
Electrical safety in accordance with	1000V CAT IV / 1500V CAT III
Power supply	4 x 1.5 V AA
Dimensions & Weight	92 x 272 x 41 mm / 600g

ORDER INFORMATION

P01120948 F404T AC/DC PV clamp meter

Supplied with:

