

Product Datasheet - Technical Specifications



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P/N: TA72

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Website

<http://www.flir.com>

Customer support

<http://support.flir.com>

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Part number	TA72
Name	Large Universal Flex Current Probe Accessory
Description	10" (25 cm) 3000 A AC flexible current probe with universal mV output and worklights
<p>The FLIR Universal Flex Current Probe accessories are designed to add capabilities, simplify challenges, and get the best readings with your existing meter. Made with a narrow flexible coil clamp and locking mechanism, the FLIR TA72 and TA74 let you easily take measurements in tight or awkward spots—a difficult task with a traditional hard jaw clamp meter. The connection is a standard banana plug and the output is a voltage signal, so it's compatible with most DMMs and clamp meters, regardless of brand.</p>	
<p>Take accurate measurements in tight or awkward spots—tricky conductors conquered:</p> <ul style="list-style-type: none"> Snake the coil around obstacles with ease, even in deep, crowded cabinets. Measure multiple conductors and targets with limited clearance. Switchable AC current range: 30 A, 300 A, and 3000 A. 	
<p>Empower your meter—compatible with most DMMs and clamp meters, regardless of brand:</p> <ul style="list-style-type: none"> Adds 3000 A AC measurements to existing meters. Standard banana plug connectors fit most meters. AC voltage output for wide compatibility. 	
<p>Easy inspection and navigation—designed with your convenience in mind:</p> <ul style="list-style-type: none"> Bright, dual-LED worklights provide built-in illumination for dark cabinets. Rugged design drop-tested to 3 m, portable, and lightweight. 	
Minimum requirements for meter compatibility with TA7x	AC voltage function, 4000-count display, 1 mV resolution
Suitable main units	DM93, DM92

Measurement	
Maximum AC	3000 A AC
AC ranges and resolution	30.00 A, 300.0 A, 3000 A
Basic AC accuracy (full scale)	±3.0% + 5 digits
Measurement rate	1.5 samples per second, nominal
AC bandwidth	45–500 Hz (sine wave)
Detailed accuracy	30.00 A ± (3.0% + 5 digits), 300.0 A ± (3.0% + 5 digits), 3000 A ± (3.0% + 5 digits)
Positional error (distance from optimum)	15 mm (0.6") ± 2.0%, 25 mm (1.0") ± 2.5%, 35 mm (1.4") ± 3.0%



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Meter data	
Maximum conductor diameter	6 cm (2.4")
Flex cable length	25 cm (10")
Coil bend radius	38 mm (1.5")
Coil diameter	7.5 mm (0.3")
Coil tip diameter	13 mm (0.5")
Probe length	1.9 m (73")
Worklight	Two white LEDs
Power system	
Power supply	2 × 1.5 V AAA
Battery life	160 hours with alkaline batteries (calculated)
Auto power off	Approximately 10 minutes after power on or disable
Environmental	
Drop test	3 m (9.8')
IP rating	IP54 dust-protected and splash-resistant
Maximum operating altitude	2000 m (6562')
Operating temperature	0–50°C (32–122°F)
Operating humidity	Maximum 80% up to 35°C (95°F) decreasing linearly to 60% at 45°C (113°F)
Temperature coefficient	0.2 × specified accuracy/°C, <64.5°F (18°C), >82.4°F (28°C)
Storage temperature	–20 to +60°C (–4 to +140°F) without batteries
Storage humidity	80% relative humidity (maximum)
Certifications	
Agency approvals	RCM, CSA, KC
Safety compliance	CAT IV—600 V, CAT III—1000 V
Standards	EN61010-1, EN61010-2-032, EN61326-1
Physical data	
Dimensions (W × H × D)	120 mm × 280 mm × 25 mm (4.7" × 11.0" × 1.0")
Weight	170 g (6.0 oz.) with batteries
Warranty	
Warranty	https://www.flir.com/testwarranty
Shipping	
Packaging type	Color box
Packaging contents	TA72, 2 × AAA 1.5 V Energizer batteries, quick start guide, user manual on CD
Packaging weight	0.61 kg
Packaging dimensions (L × W × H)	32 cm × 18.5 cm × 6.8 cm
Inner carton quantity	3
Inner carton weight	1.94 kg
Inner carton dimensions (L × W × H)	59.5 cm × 6.3 cm × 20.3 cm
Master carton quantity	12



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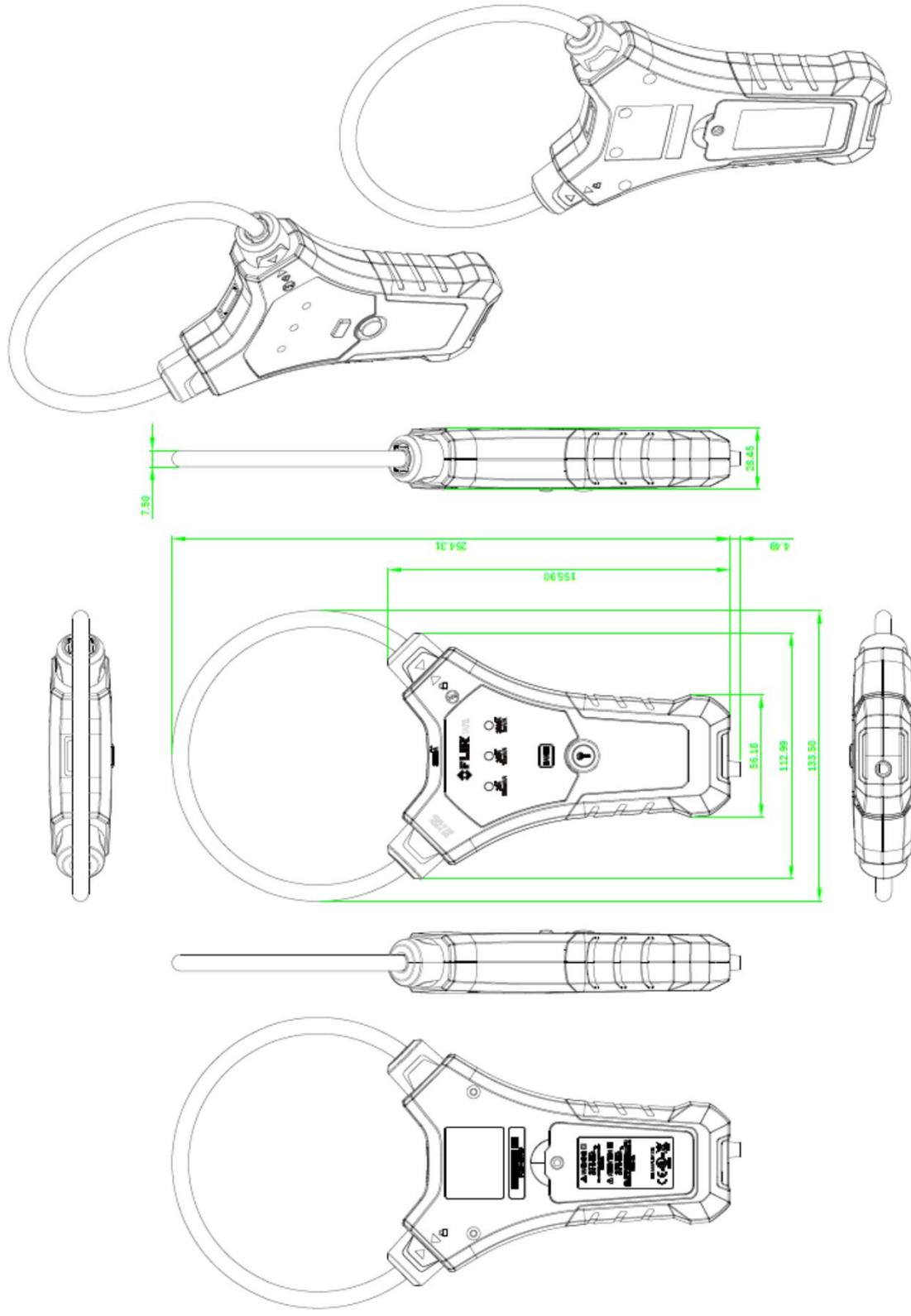
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Shipping	
Master carton weight	9.5 kg
Master carton dimensions (L x W x H)	61 cm x 50 cm x 22 cm
EAN-13	0793950377727
UPC-12	793950377727
Country of origin	Taiwan
Tariff code	9030908821
Technical support	
Website	http://support.flir.com

Compatible with the following products:

- CM174; FLIR CM174: Imaging 600A AC/DC Clamp Meter with IGM
- CM275; FLIR CM275: Industrial Thermal Imaging Clamp Meter with Datalogging, Wireless Connectivity, and IGM
- CM65; FLIR CM65: True RMS 600A Solar Clamp Meter with METERLiNK
- CM72; FLIR CM72: Commercial 600A AC Clamp Meter
- CM74; FLIR CM74: Commercial 600A AC/DC Clamp Meter
- DM166; FLIR DM166: Thermal Imaging TRMS Multimeter with IGM
- DM284; FLIR DM284: Imaging Multimeter with IGM
- DM285; FLIR DM285: Industrial Thermal Imaging Multimeter with Datalogging, Wireless Connectivity, and IGM
- DM90; FLIR DM90
- DM91; FLIR DM91: Industrial TRMS Multimeter with Datalogging and Wireless Connectivity
- DM92; FLIR DM92: Industrial Digital Multimeter with LoZ and VFD Mode
- DM93; FLIR DM93: True RMS Industrial Multimeter

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