FLIR TA74

P/N: TA74

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Website

http://www.flir.com

Customer support

http://support.flir.com

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Part number	TA74
Name	Large Universal Flex Current Probe Accessory
Description	18″ (45 cm) 3000 A AC flexible current probe with universal mV output and worklights

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.

Take accurate measurements in tight or awkward spots—tricky conductors conquered:

- 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.

Empower your meter—compatible with most DMMs and clamp meters, regardless of brand:

- Adds 3000 A AC measurements to existing meters.
- Standard banana plug connectors fit most meters.
- AC voltage output for wide compatibility.

Easy inspection and navigation—designed with your convenience in mind:

- 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)

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Measurement	
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)	35 mm (1.4″) ± 1.0%, 50 mm (2.0″) ± 1.5%, 60 mm (2.4″) ± 2.0%

Meter data	
Maximum conductor diameter	12 cm (4.7″)
Flex cable length	45.7 cm (18″)
Coil bend radius	80 mm (3.1″)
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)	130 mm × 350 mm × 25 mm (5.1″ × 13.8″ × 1.0″)
Weight	200 g (7.1 oz.) with batteries

Warranty	
Warranty	https://www.flir.com/testwarranty

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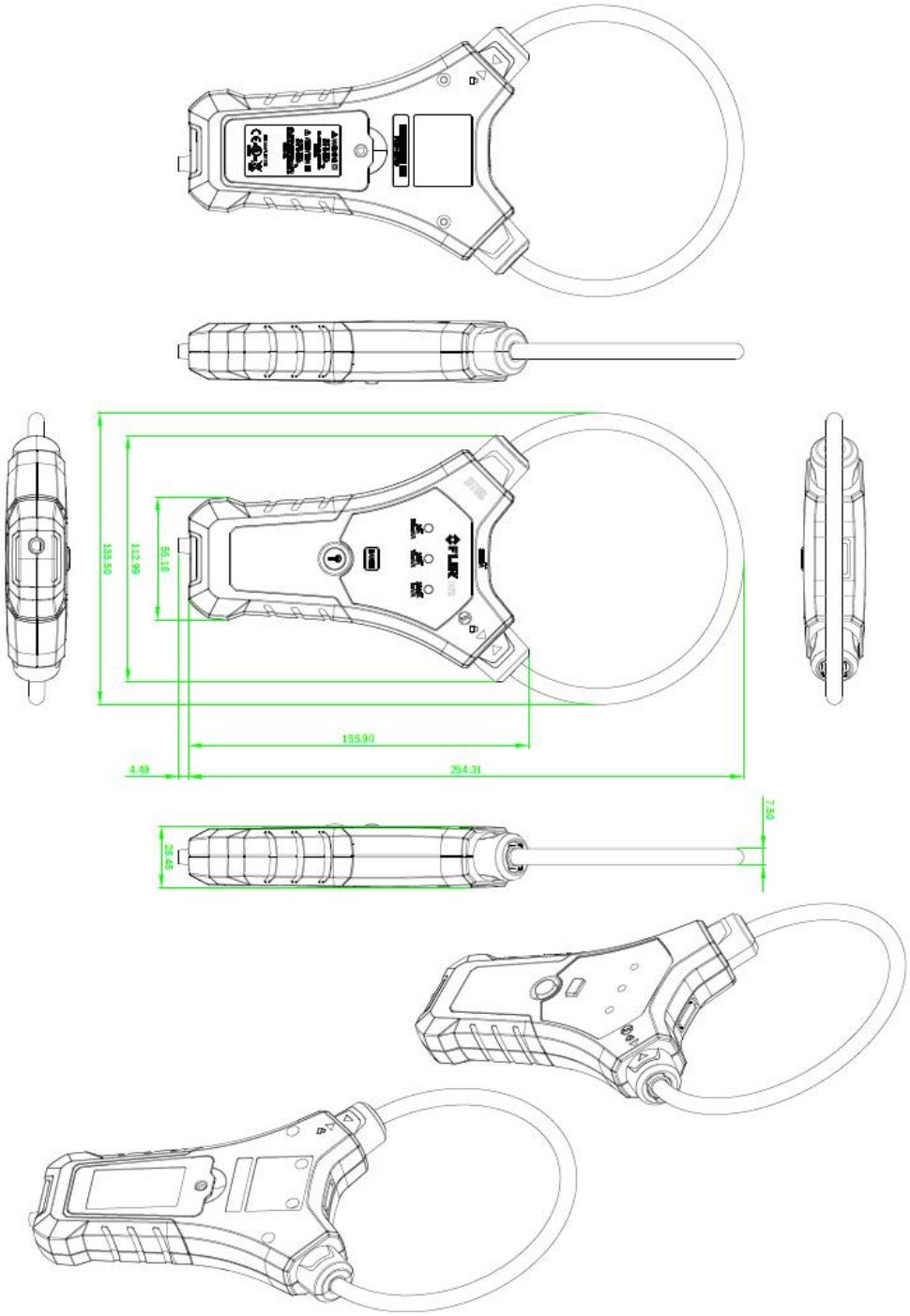
Shipping	
Packaging type	Color box
Packaging contents	TA74, 2 × AAA 1.5 V Energizer batteries, quick start guide, user manual on CD
Packaging weight	0.62 kg
Packaging dimensions (L × W × H)	32 cm × 18.5 cm × 6.8 cm
Inner carton quantity	3
Inner carton weight	1.94 kg
Inner carton dimensions (L × W × H)	59.5 cm × 6.3 cm × 20.3 cm
Master carton quantity	12
Master carton weight	9.5 kg
Master carton dimensions (L × W × H)	61 cm × 50 cm × 22 cm
EAN-13	0793950377741
UPC-12	793950377741
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
- 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
- DM285; Industrial Thermal Imaging Multimeter with Datalogging, Wireless Connectivity, and IGM
- DM286; Industrial Thermal Imaging Multimeter with Datalogging, Wireless Connectivity, and IGM

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Thursday, April 23, 2015	T&M Engineering

Description

FLIR TA74 Flex Clamp Probe