



**ACTIVE INNOVATION
PRODUCT DATA SHEET**

TMAC® Multisafe TT3 Telescopic Voltage Tester 3kV

ELECTRICAL-INDUSTRIAL | TOOLS-TECHNOLOGIES
TMAC®
THEW & McCANN GROUP

The MultiSafe TT is a telescopic voltage tester for fast voltage testing on railway overhead lines and outdoor switchgear. Molded protective resistors directly behind the test electrode and the integrated self-test offer maximum safety. The MultiSafe turns on / off automatically and is very easy to use.

FEATURES

Voltage tester:

- Precise display of the voltage 50 V up to 3 000 V AC / DC
- Response voltage U_i 400 V (other response voltages from 50 V on request)
- Large two-colour illuminated display (red / green), for a clear warning of dangerous voltages
- Clear LED indicator for dangerous voltage
- 360° illuminated band lights up (red / green) in all directions
- Acoustic warning of dangerous voltage

More functions:

- Telescope system for easy and quick testing
- Variable test height ca. up to 10 meters
- For indoor and outdoor use
- Various test electrodes for testing on overhead lines and busbars
- Easy operation with just one button
- Robust housing
- IP 65 – waterproof

Safety:

- Integrated self-test for quick checking of the protective resistors, connecting cable, display and electronics
- Surge voltage strength >100 kV
- Highest degree of safety provided by moulded protective resistors

	TT 3M	TT 3S	TT 3L	TT 3XL
Nominal voltage	50 - 3 000 V AC 50 - 3 000 V DC			
Display range	50 - 3 000 V AC 50 - 3 000 V DC			
Frequency	DC / 15 - 500 Hz			
Test height ca. up to	6,2 m		8,2 m	10 m
Transport length	1,65 m	1,35 m	1,65 m	2,14 m
Telescope system	4 part	6 part	6 part	6 part
Frequency indication	Yes			
Voltage test to ground potential	Yes			
Voltage test phase to phase + Pole to pole	No			
Indicator group	I (Optical) and III (Acoustic)			
LED indication red / green	Yes			
Two-color LCD	Yes			
Integrated self-test	Yes			
Power supply	6 x 1,5 V AA			
Surge voltage strength	100 kV			
For indoor installations	Yes			
For outdoor installations	Yes			
For use in humid environments (at rainfall)	Yes			
Protection category	IP 65			
Fixed connection to ground potential	Magnet, Rail Foot Clamp or Universal Clamp			
Connection cable	1,8 m - Spiral cable 6 kV Insulated			
Changeable electrode shape	Yes			

THEW & McCANN A Legacy of Innovation

WHERE IT ALL STARTED

Our story began back in 1949, when two young innovators living in Sydney saw an opportunity to provide a better solution. Lance Thew and Harold McCann used their army pay to start their own business. They supplied much-needed products to people servicing generating plants in country towns. Back then, they supplied everything from buckets and mops to electrical wire and work boots. Their initial mission was simple. They listened carefully to what these people needed, and they sourced the best products available.

DRIVEN BY A DESIRE TO SOLVE PROBLEMS

The business grew and by 1969, we specialised in only electrical products. Thew and McCann soon found their passion for innovation was needed to cope with customer demand. As the electrical industry developed in Australia, so did the need for new products. If a quality, viable solution didn't exist, we were excited by the challenge of creating it.

PROACTIVE INVENTORS WHO NEVER STOP LEARNING

During the 1960s, the business branched out into manufacturing and importing. We collaborated closely with customers, never missing an opportunity to consult, listen and learn. By this stage, we were designing and developing a range of exclusive electrical products that solved specific industry needs. We were also developing key connections with international trading companies so we could source supplementary products our customers required.

NEW LEADERSHIP ADVANCES INNOVATION

When Lance Thew and Harold McCann retired in the 1970s and early 80s, this passion for innovation – for continual improvement – didn't diminish. Instead, it gained strength and momentum as the new leaders steered the company to meet the needs of emerging markets. Our unique Product Development Program helped us forge a market-leading position in the national electricity industry.

WE LOOK FORWARD TO CREATING THE NEXT PERFECT SOLUTION

Thew & McCann has always been synonymous with finding a better way. Now known as TMAC, we never stop searching for better, safer and more reliable solutions. Our substantial investment in research and new technology, and our focus on industry collaboration, delivers groundbreaking products that are responsive, proven and refined.

That's the TMAC Factor.

