



unbreakable

ACTIVE INNOVATION
PRODUCT DATA SHEET

TMAC® Multisafe DSP 5

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

The Tietzsch MultiSafe DSP 5 supplied by TMAC is the safe, easy-to-use testing tool for all sectors of industry and power engineering. It combines highest safety CAT IV – 1000 V, easy operation and multimeter precision in a voltage tester. The voltage tester meets all the requirements of a modern, safe test equipment and is equipped with its wide range of functions for future tasks. The MultiSafe turns itself on / off automatically.

FEATURES

Voltage tester:

- Precise display of the voltage 0,3 V up to 1200 V AC / 0,01 up to 1500 V DC
- Extended test range for low and battery voltages from 0.01 to 19.99 V DC
- Extremely resistant to voltage – CAT IV 1000 V – VDE certified
- Large two-colour illuminated display (red / white), for a clear warning of dangerous voltages
- Clear LED indicator for dangerous voltage
- Load connection for interference voltages and RCD tripping
- Hold the measured value with the HOLD key

Continuity tester:

- Fast continuity test with sound
- Exact resistance measurement in the range of 0.01 kOhm to 1000 kOhm
- Green LED for continuity

Phase and phase sequence tester:

- Phase tester with display "POL" and red LED
- Phase sequence tester with LCD and LED display left / right
- Controller-monitored test with error detection to avoid false indications
- Phase and phase sequence tests can also be performed with insulating gloves
- Additional phase sequence testing without ground reference for IT power grids

More functions:

- Measuring point illumination
- Slim test electrodes for tight terminal blocks
- One-hand operation when checking sockets
- Easy operation
- Insulation fault detection by two-colour cable insulation
- Extremely stable housing, even in cold environment
- IP 65 – waterproof
- Belt clip

	DSP 5B	DSP 5	DSP 5ST
Nominal voltage	12 - 1000 V AC 12 - 1500 V DC	12 - 1000 V AC 12 - 1200 V DC (Load max. up to 1200 V)	
Display range	0,15 - 1200 V AC 0,03 - 1500 V DC		
Continuity measurement	0,01 - 1000 kOhm		
Continuity tester with sound	yes		
Frequency	DC / 15 - 10 000 Hz		
Single pole outer conductor test (Phase)	Yes		
Phase sequence test	Yes		
Phase sequence test for IT-power grids without earth potential	Yes		
Power supply	2 x 1,5 V AA		
Overvoltage category	CAT IV 1000 V IEC 60664-1 (VDE 0110)		
Protection category	IP 65		
VDE GS certification in accordance with IEC 61243-3	Yes		
Measuring point illumination	Yes		
Additional load and 30 mA RCD-tripping	No	Yes	Yes
Adjustable electrode length 4 or 15 mm	No	No	Yes
Product Dimensions and weight	275 x 89 x 35 mm (hand grip and display part) 275 x 60 x 35 mm (display part) 270 g		
Packed Product Dimensions and weight	315 x 105 x 60 mm 425 g		

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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.