



**ACTIVE INNOVATION**  
**PRODUCT DATA SHEET**

**TMAC®**  
**Multisafe DSP 4**

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

The Tietzsch MultiSafe DSP4 Supplied by TMAC is a safe, easy-to-use testing tool for all sectors of industry and power engineering. A versatile, robust and completely safe voltage tester with multimeter precision. Protective resistors directly behind both test electrodes offer maximum safety against surge voltage. The MultiSafe turns itself on / off automatically.

## FEATURES

### Voltage tester:

- Precise display of the voltage 1 V up to 1200 V AC / 0,01 up to 1500 V DC
- Resistant to voltage – CAT IV 600 V – VDE certified
- Clear LED indicator for dangerous voltage
- Hold the measured value with the HOLD key
- Large illuminated display

### Continuity tester:

- Continuity test with sound
- Resistance measurement in the range of 0,1 kOhm to 2000 kOhm
- Green LED for continuity

### More functions:

- ST-version slim test electrodes for tight terminal blocks
- Easy operation
- Insulation fault detection by two-colour cable insulation
- IP 65 – waterproof

### Phase and phase sequence tester:

- Phase tester with display “POL”
- Phase sequence tester with LED display left / right
- Phase and phase sequence tests can also be performed with insulating gloves
- Additional phase sequence testing without ground reference for IT power grids



	DSP 4	DSP 4F	DSP 4ST	DSP 4FST
Nominal voltage	24 - 1000 V AC 24 - 1500 V DC			
Display range	1 - 1200 V AC 0,03 - 1500 V DC			
Resistance measurement	0,1 - 2000 kOhm			
Continuity tester with sound	yes			
Frequency	DC / 15 - 10 000 Hz			
Single pole outer conductor test (Phase)	Yes			
Phase sequence testing	Yes			
Power supply	1 x 9 V			
Overvoltage category	CAT IV 600 V CAT III 1000 V  IEC 60664-1 (VDE 0110)			
Protection category	IP 65			
VDE GS certification in accordance with IEC 61243-3	Yes			
Measuring point illumination	No			
Additional load and 30 mA RCD-tripping	No			
Phase sequence test for IT power grids without ground reference	No	Yes	No	Yes
Adjustable electrode length 4 or 15 mm	No	No	Yes	Yes
Dimensions and weight	275 x 89 x 35 mm (hand grip and display part) 240 x 62 x 39 mm (display part)  270 g			
Packed Product Dimensions and weight	300 x 100 x 50 mm 360 g			

# 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.**

