

FEATURES	TELARIS ISO-PRO
Display	LCD, 3½ digit, 1999 Digits with Bargraph Measurement range / Resolution
Insulation resistance	0.005...1.999 MΩ / 1 kΩ 2...19.99 MΩ/10 kΩ, 20...199.9 MΩ / 100 kΩ, 200...1999 MΩ/1MΩ
Test voltage	100/250/500/1000 V DC
Voltage	0...500 V AC/DC/1 V
Timer function	0, 10, 30, 180 s (selectable)
Voltage Protection level	10...1000 V DC 6...625 V AC / 0...1000 V DC
Test current	approx. 1mA
Low Ohm measurement	0.03...19.99 Ω/0.01 Ω
Test current	> 200mA
Memory	approx. 500 Values
Interface	IR/RS-232 Interface adapter
Safety complying with	IEC 61010/EN 61010/ DIN VDE 0411/IEC 61557/EN61557/DIN VDE 0413
Measurement category	CAT III/600 V
Pollution Degree	2
Protection Degree	IP 50
Power Supply	6 x 1.5 V, IEC LR6



ISO-PLUS-A Insulation Tester & TRMS Multimeter

Universal insulation measuring instruments for testing electrical equipment, devices, cables, machines in electrical workshops and industry.

- Easy to use handheld design measuring V, Ω, MΩ, Hz, A (mA)
- Large dual display with bright EL backlight and bargraph
- Advanced safety features including live circuit protection without fuse damage, test lock out and auto discharge after test
- Fully compliant with all European standards for insulation testing
- Insulation measurements up to 20 GΩ with 100, 250, 500 and 1000V test voltages and display of test current
- On screen display of Polarisation Index and Dielectric Absorption Ratio for insulation quality
- Auto ranging resistance measurement to 200kΩ with a selectable 200mA or 50mA low resistance test lead compensation
- Continuity test with adjustable thresholds, fast-responding buzzer and visual indicator (buzzer can also be de-activated)
- True RMS voltage measurement with display of AC, DC and AC+DC values and mV resolution
- Leakage current measurement directly or with LEM current probes in current ranges from 200 μA to 200A
- LIMIT (adjustable alarm) to quickly and reliably identify fault conditions
- REC function for MIN, MAX, AVG values
- ZERO (REL) function to compensate measuring leads and for relative measurements
- Safety acc. EN 61557-2, -4, EN 61010, CAT III / 600V

General	
Display	1999 digit dual LCD with special symbols, digit height 17 mm, 30 segment analogue bar with over/ underflow and special display symbols, EL backlight
Protective type	IP40 according to EN 60529
External voltage	Measurement inhibited for external voltage $U_x > 10\%$ of UN for MΩ and $> 3V$ for Ω
Max. overload	800 V eff RMS or RMS x frequency $< 5 \times 10^4$ VHz
Auxiliary power	4 x 1.5 V mignon cells alkali-manganese(IEC LR6)
MΩ - RISO Insulation Resistance	
Method	Voltage/current measurement as per EN 61557-2
Nominal test voltage	UN = 100V, 250V, 500V, 1000V DC
Open circuit voltage	$U_0 < 1.1 \times U_N$
Nominal current	$I_N \geq 1mA$ DC at U_N $I_N \geq 2.5mA$ DC at 100kΩ at 250V
Short circuit current	$< 10mA$ DC
R – Low Resistance Measurement	
Method	Voltage/current measurement as per EN 61557-4
Open circuit voltage	$U_0 \geq 4V$
Short circuit current	$I_k \geq 200mA$ DC up to 2Ω as per IEC 61557