

Characteristic Values

	DUSPOL analog 1000	DUSPOL expert 1000	DUSPOL digital 1000
Nominal voltage range	LED: 12 ... 1000 V AC/DC additional moving coil level indicator during testing under load	LED: 12 ... 1000 V AC/DC	LCD: 6 ... 1000 V AC TRUE RMS / 1200 V DC Low voltage range: 1.0 ... 11.9 V AC
Nominal frequency range	0 ... 60 Hz	0 ... 500 Hz	0 ... 1000 Hz
Resolution			0.1 V to 198.9 V / 1 V as from 199 V
Voltage measurement accuracy	Un ±15% (max. display error)	Un ±15% (max. display error)	±2.5% rdg. + 3 digits
Display stages	LED: 12/24/50/120/230/400/690/1000 V AC/DC	LED: 12/24/50/120/230/400/690/1000 V AC/DC	LED: 50/120/230/400 V AC/DC
Continuity test		yellow LED + buzzer: optical 0 ... 100 kΩ	yellow LED + buzzer: optical 0 ... 100 kΩ
Cable fracture detector		yellow LED blinks/fades out	yellow LED blinks/fades out
Resistance measurement			LCD: 0.1 kΩ ... 300 kΩ
Resistance measurement accuracy			±5% rdg. + 5 digits
Diode test			LCD: 0.3 V ... 2 V
Phase sequence test	LCD (≥ Un 230 V 50/60 Hz)	green LED (≥ Un 230 V 50/60 Hz)	green LED (≥ Un 230 V 50/60 Hz)
Frequency measurement			15 Hz ... 1,000 Hz
Frequency meas. accuracy			±2.5% rdg. + 1 digit
Phase (conductor) test	LCD (≥ Un 230 V 50/60 Hz)	red LED (≥ Un 230 V 50/60 Hz)	red LED (≥ Un 230 V 50/60 Hz)
Polarity check	LED: + / –	LED: + / –	LCD: + / –
Direct display without pressing a pushbutton	high-impedance test	high-impedance test	high-impedance test
Load connection via pushbutton	low-voltage test (connection of vibration motor)	low-voltage test (connection of vibration motor)	low-voltage test (connection of vibration motor)
Deliberate triggering of RCCB	Testing of phase conductor (phase) towards PE (earth)	Testing of phase conductor (phase) towards PE (earth)	Testing of phase conductor (phase) towards PE (earth)
Illumination		Measuring point	Measuring point and display
Internal resistance of measuring circuit	180 kΩ	175 kΩ	175 kΩ
Maximum permissible on-time	30 s, followed by 600 s inactivity	30 s, followed by 240 s inactivity	30 s, followed by 240 s inactivity
Power supply	no batteries necessary	2 x 1.5 V micro, LR03/ AAA	2 x 1.5 V micro, LR03/ AAA