

- VLF
- Integrated Tan Delta
- DC
- Jacket/Sheath
- Sheath Fault Location²
- Fault conditioning
- Integrated Bluetooth
- Colour Display
- Weight 14kg
- Internal Discharge Unit
- Smallest unit available
- DDD®
Dual Discharge Device
- IP67 (with closed lid)
- USB and Bluetooth Data-Transfer
- Patent cooling system

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ENGLISH

Subject to alternations-
errors excepted
Illustrations are not binding

HVA28TD

Ultra-compact and universal VLF High Voltage Test Set with integrated TD Diagnostics

b2 electronic HVA28-TD is an ultra-compact and lightweight (14kg) VLF Test set with integrated Tan Delta (TD) Diagnostics, which exceeds the performance of much larger units. The HVA28-TD is protected by a watertight, crushproof and dust proof case (IP67). The unit offers manual and automatic testing plus diagnostic sequences and a large colour display simplifies operation. It also features both electronic and mechanical discharging of devices under test (DDD®), a 12kV feedback protection system and an unlimited duty cycle (dry system – no oil used) completing the performance of this outstanding HV System. The HVA28 TD can be upgraded with a Partial Discharge (PD) Diagnosis System (optional).



| Type | HVA28 | |
|--|---|------------------------------------|
| Article number | SH0216 | |
| Input Voltage | 100 – 240 V 50/60 Hz (400 VA) | |
| Output Voltage | Sinusoidal | 0 – 28 kV peak, 20 kV rms |
| | DC | ± 0 – 28 kV |
| | Squarewave | 28 kV |
| | Accuracy | ± 1 % |
| | Resolution | 0.1 kV |
| Output Current | 0 – 20 mA (Resolution 1 µA) Accuracy: ± 1 % | |
| Resistance Range | 0.1 MΩ...5 GΩ | |
| Output Frequency | 0.01 ... 0.1 Hz in steps of 0.01 Hz (default 0.1 Hz) – auto frequency selection | |
| Output Load | 0.5 µF @ 0.1 Hz @ 20kV rms 5.0 µF @ 0.01 Hz @ 20 kV rms 10.0 µF maximum Capacitance! ¹ | |
| Sheath Test | Unmax | 10 kV |
| | Duration | 1 min – 15 min |
| | Trip Current | 0.1 mA – 5.0 mA |
| Sheath Fault Location | Unmax | 10 kV |
| | Duration | 1 min – 60 min |
| | Pulse/Period | 1:3/4 s, 1:5/4 s, 1:5/6 s, 1:9/6 s |
| Output Modes | AC (VLF) Symmetrical and load independent across full range, DC (plus or negative polarity), Burn-/ Fault Condition or Fault Trip Mode, Jacket / Sheath Testing | |
| Safety | 50 Hz 12 kV Feedback Protection / Dual Discharge Device (internal) | |
| Memory | 50 Test Records Stored | |
| Metering | Voltage an Current (True rms and / or peak), Tan Delta, Capacitance, Resistance, Time, Flashover Voltage | |
| Tangens Delta measurement optimal accuracy | ± 1 x 10 ⁻⁴ | |
| Duty | Continuous! No thermal limitation for operating time. | |
| HV Cable | 5 m with Alligator clamps | |
| Software | „HVA Control Center“ | |
| Computer interfaces | Bluetooth | standard |
| | USB | standard |
| Environmental conditions | Storage: -25°C to + 70°C, Operating: -5°C to + 45°C | |
| Dimensions L x W x H | Peli Case 1430; 430 x 240 x 340 mm | |
| Weight | 14 kg | |
| Upgrades (Optional) | Partial Discharge System | |

¹ At lower frequency and voltage

² in combination with locating device (not in scope of supply)