

CTL DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Publication date
OD-5013	6.3 vs. 7.1	DSH 2195	2023-08-14
Category			
All			
Subject	Keywords		Developed by
Clarification Calibration of Leakage (Touch) Current Measuring Device with Integral Meter	Calibration Leakage (Touch) Current Measuring Device with Integral Meter		WG01
Question			
Is clause 7.1 of OD-5013 applicable to Leakage (Touch) Current Measuring Device with Integral Meter?			
Decision			
Subclause 7.1 of OD-5013 is applicable to separate voltmeters only.			
Explanatory notes			
<p>The reasons about above decision are listed below:</p> <p>WG1 RESPONSE: Clause 7.1 addresses external voltmeters that are connected to a network.</p> <ol style="list-style-type: none"> 1. OD-5013 distinguishes between ‘instrument’, where a meter is integral to the equipment and ‘network’, where a voltmeter externally connected. 2. Subclause 6.1.3 (underline added) – “Leakage (touch) current instruments with integral meters giving readings in milli-amperes or MIUs are verified against the calibration curves and tables in IEC 60990 for transfer impedance”. Equipment having an integral voltmeter is calibrated as a complete system. It is not required that instruments be disassembled to confirm integral voltmeter response. 3. Subclause 7.1 (underline added) – “When measuring the output voltage of touch current measurement networks the voltmeter needs to be able to measure both true RMS and peak voltages” Specification of the separate external voltmeter is provided. 4. Clauses 8 and 9: Subclauses 8.1.2.6 and 8.1.2.7 indicate separate network and meter components. Clause 9 addresses both network and meter combined in one piece of equipment. 			