

DO7010 SPECIFICATIONS

Range	Resolution	Typical Current	Accuracy at 20°C ±5°C, 1 Year	Temp Coefficient/°C
6Ω	1mΩ	100mA/1A	±(0.1% Rdg +0.1% FS)	40ppm Rdg + 30ppm FS
600mΩ	100μΩ	1A/10A	±(0.1% Rdg +0.1% FS)	40ppm Rdg + 30ppm FS
60mΩ	10μΩ	1A/10A	±(0.1% Rdg +0.1% FS)	40ppm Rdg + 30ppm FS
6mΩ	1μΩ	1A/10A	±(0.1% Rdg +0.1% FS)	40ppm Rdg + 30ppm FS

Measurement

4 Terminal Kelvin/Thomson principle eliminates error due to lead resistance. Open circuit measurement voltage =5Vdc

Display

240 x 64 dot graphics LCD with backlight

Ranges

4 ranges with auto range mode. Two selectable measuring currents for each range

Terminals

The measurement leads are connected via Jaeger connectors and a full range of lead configurations are available

Working Temperature

0°C to +50°C rel. humidity up to 80% non condensing

Storage Temperature

-20 to +50°C

Safety

Conforms to EN 61010-1, Main instrument Class 111 (SELV), Battery pack Class 111 (SELV), external mains charger Class 111

Dimensions

390mm x 160mm x 270mm (W H D) approx

Mass

4kg approx

Battery

The DO7010 is supplied with battery fitted. The batteries are NiMh and the charger is external. The battery pack may be removed from the front panel when discharged and a replacement charged pack inserted. This ensures minimum down-time when making measurements

Remote Terminal

The remote terminal emulates the DO7010 front panel and all functions and readings are fully controllable up to 15 metres from the ohmmeter. Connection is made through the RS232 terminal

Lead Sets

We offer a wide variety of lead sets with 3 sizes of Kelvin clip or handspikes. Lead lengths may be up to 100 meters total loop

Data Logging

The DO7010 has data logging modes. The first will store each reading with record number date and time. The second is a sequence mode which will store values with operator ID, serial number etc

CODE	ITEM	DO7010 OPTIONS
DO7010-BP	Battery pack	
DO7010-REM	Remote terminal emulates the DLRO710 front panel and permits the operation remotely up to 15 metres. Supplied complete with 15 metre RS232 cable	
HS01-710	Duplex handspikes with 3 metre lead length	
HS02-710	Duplex handspikes with 3 and 15 metre lead length	
LS03-710	Lead set with 3 metre leads and terminated with large Kelvin clips type KC3	
LS04-710	Lead set with 3 metres and 15 metres lead length terminated in large Kelvin clips type KC3	
MTS3	Calibration Standard	
REMT015	Remote terminal cable 15 metres	
RSL04	RS232 interface cable 1 metre	
XL-710	Excel spread sheet software permits upload of measurement parameters and download of stored values	