

Loop Resistance Tester AIRLINER SET

>IM2FSAL1< >IM2FSAL2<



AIRBUS CERTIFIED

Designed for fast and simple checking of loop impedance.

- > Very large, easy to read display
- > Battery powered, rechargeable in situ or removed
- > Galvanically isolated interface for remote control or data exchange
- > ATA Chapter 20-28
- > Automatic residual current compensation
- > Range is switched automatically
- > Search mode for rapid location of faulty connections
- > Including self test unit for function control of the test equipment and the measuring clamps
- > Equivalent AIRBUS P/N TS11194

TECHNICAL DATA

Power operation: 1/N/PE AC 50/60Hz
100 - 240V

Battery: 14.4V Li-Ion

Charging time: 6 hours

Measurement range up to: 400mΩ

Data storage: 90 measured values

Max. resolution: 0.1mΩ

Output voltage: max 70V

Output current: max 1A

Meas. frequency: 1kHz ± 10Hz

Accuracy: depends on clamps
(e.g. >IMZ7< ±5% o.m.v., but
not less than ±2mΩ)

Dimensions: approx 25 x 28 x 16cm

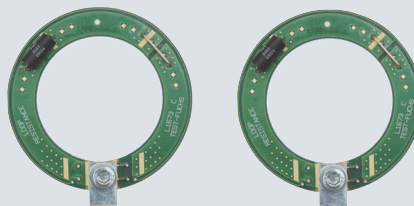
Weight of equipment: approx 5kg

Included in standard scope of delivery

Self test UUT

L1673-20A 200mΩ
(TEST-FUCHS item no. 106375852)

L1673-6A 10mΩ
(TEST-FUCHS item no. 106375838)



Measurement cable set "S307073" (TEST-FUCHS item no. 103191770)

with two banana plugs and
test prods for Search Mode



Power-supply-unit "S1311202" (TEST-FUCHS item no. 103070831)

incl. power cable for charging



Battery "AXCOM" (TEST-FUCHS item no. 106220249)



Shoulder strap "1472" (TEST-FUCHS item no. 106330923)



Accessories for Loop Resistance Tester

>IM2FSM2<

Transport case "EXPLORER" (TEST-FUCHS item no. 107102007)

Very robust, provided with transport rollers lined with foam
Storage compartment for:

- Loop Resistance Tester >IM2FSM2<
- Charger
- 1 battery
- 3 different clamps

Dimensions: approx 60 x 45 x 33 cm
Weight: approx 12.5kg



Charger for battery incl. Power Cable (TEST-FUCHS item no: 106220099)

Manufacturer: SWIT
Model: SC-302S
Input: AC 100 - 240V; 50/60Hz
Output: DC 14 - 20V; 1.9A
Possible to charge 2 batteries at the same time



Standard Measurement Clamps for Loop Resistance Test Set >IM2FSAL1<

SUPPLY CLAMP >IMZ6<

(TEST-FUCHS item no. 150020590)

SET CONSISTS OF >IMZ6< + >SMZ6<

(TEST-FUCHS item no. 150020591)

CURRENT MEASUREMENT CLAMP

>SMZ6<

(TEST-FUCHS item no. 150020589)

- > For measurement both one Supply and one Current Measuring Clamps are required
- > Apt for use on cables and metal rails of up to approx. 20mm diameter
- > Spring loaded to closed (operating) position
- > Modified Split Standard Clamps Fluke i200
- > Integrated "Measure" button on Supply Clamps
- > Both clamps have arrows showing the current direction



Supply Clamp >IMZ6<



Current Measurement Clamp >SMZ6<



TECHNICAL DATA

Frequency:	for test equipment with 1kHz
Resistance range:	400mΩ
UUT diameter:	max. 20mm
Accuracy:	5% o.m.v. but not less than 2mΩ
Repeatability of UUT variations position in clamp opening	± 3% of full scale ± 1mΩ

Overall dimension: (without cable)	Width: approx. 50mm
	Depth: approx. 30mm
	Height: approx. 135mm
Jaws opening:	approx. 21mm
Weight:	approx. 700g
Cable length:	3m

>IM2FSAL1< >IM2FSAL2<

Standard Measurement Clamps for Loop Resistance Test Set >IM2FSAL2<

Note:

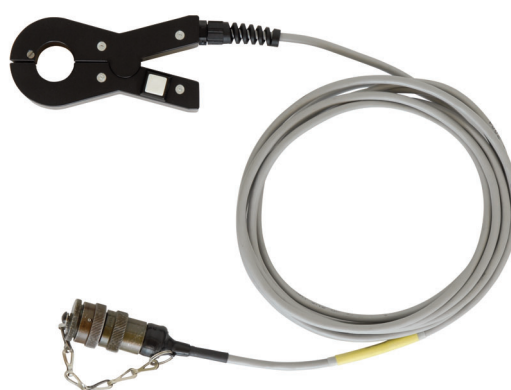
For operation at least one Combined Measurement Clamp or two Single Measurement Clamps are required.
The Measurement Clamps are delivered in labelled cable bags.

IMPEDANCE MEASUREMENT CLAMP

>IMZ7<

(TEST-FUCHS item no. 150020514)

- > Symmetric design
- > Apt for use on cables in a confined area of up to approx. 26mm diameter
- > Spring loaded to closed (operating) position
- > Combined Supply and Current Measurement Clamps
- > Symmetric windings for high repeatability
- > "Measure" button



Supply Clamp >IMZ7<



TECHNICAL DATA

Frequency:	for test equipment with 1kHz
Resistance range:	400mΩ
UUT diameter:	max. 26mm
Accuracy:	± 5% o.m.v. but not less than 2mΩ
Repeatability of UUT variations position in clamp opening ± 2% of full scale	± 0.5mΩ

Overall dimension (without cable):	Width:	approx. 58mm
	Depth:	approx. 31mm
	Height:	approx. 120mm
Jaws opening:	approx. 31mm	
Weight:	approx. 500g	
Cable length:	3m	

Optional Measurement Clamps for Loop Resistance Test Set >IM2FSAL1< and >IM2FSAL2<

SUPPLY CLAMP >IMZ5<

(TEST-FUCHS item no. 150020064)

CURRENT MEASUREMENT CLAMP >SMZ5<

(TEST-FUCHS item no. 150020065)

SET CONSISTS OF >IMZ5< + >SMZ5<

(TEST-FUCHS item no. 150020607)

- > An IMZ5 Supply Clamp and a SMZ5 Current Measurement Clamp are required for testing
- > Apt for use on cables and metal rails of up to approx. 55mm diameter
- > Spring loaded to closed (operating) position
- > Modified Split Standard Clamps Fluke i800
- > Integrated "Measure" button on the Supply Clamp
- > Both clamps have arrows showing the current direction



Supply Clamp >IMZ5<



Detailed picture of the Standard Clamp Fluke i800



Current Measurement Clamp >SMZ5<

TECHNICAL DATA

Frequency:	for test equipment with 1 or 2kHz
Resistance range:	400mΩ
UUT diameter:	max. 55mm
Accuracy:	± 5% o.m.v. but not less than 2mΩ
Repeatability of UUT variations position in clamp opening	± 3% of full scale ± 1mΩ

Overall dimension:	Width:	approx. 106mm
(without cable)	Depth:	approx. 40mm
	Height:	approx. 230mm
Jaws opening:	approx. 55mm	
Weight:	approx. 1.6kg	
Cable length:	3m	

>IM2FSAL1< >IM2FSAL2<