

**USER'S
MANUAL**

***THREE PHASE
ADAPTER***

P 8015

ILLKO
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1. SAFETY



Read this User's Manual carefully and completely and follow instructions therein. Otherwise using of the instrument may be dangerous for operator, for appliance under test or for the instrument.

Explanation of symbols on instrument:



Warning concerning a point of danger! Read User's Manual and observe all precautions!



Protection class (double insulation).



Observe the following safety precautions:

- **Make sure that the instrument and/or cables are in flawless condition, e.g. no damaged insulation, no broken cables etc.**
- **The Three-phase adapter is determined for measurement in conjunction with the measuring instruments ESC 2051, REVEX profi (II), REVEXplus (USB) or MDtest. The name REVEX will be used for REVEX 2051, REVEXplus (USB) or REVEXprofi (II) hereinafter.**
- **Only a trained, skilled person, who is familiar with hazardous voltage operations, can handle the three-phase adapter.**
- **The user of the Three - phase adapter must be familiar with the operation of the REVEX!**
- **Device under test (DUT) connected to the Three phase adapter can be powered by mains voltage during tests. The DUT can thus be activated.**
- **The Three - phase adapter must not be used for continuous power supply of appliance. It is intended for test purposes only.**



The Three – phase adapter must not be used:

- If it no longer functions properly.
- If the REVEX, Three phase adapter, cables, connectors, plugs or other accessories are damaged.
- After extraordinary stresses (due to transport, unsuitable storage conditions etc.).

Notice:

For cleaning of the instrument's surface use soft cloth, slightly moistened with lukewarm soap water. Disconnect all cables connected from the Three – phase adapter before cleaning. Do not spill cleaning liquid over the instrument! Do not use cleaning liquids based on petrol, hydrocarbons etc. After cleaning wait until the instrument becomes totally dry before using it!

2. General description

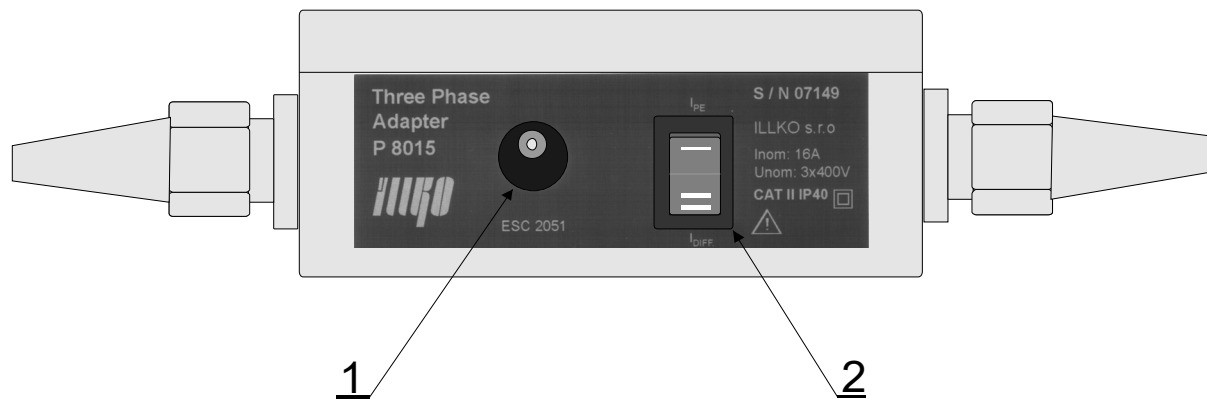
The Three – phase adapter P 8015 in conjunction with the measuring instrument REVEX measures following leakage currents:

1. PE leakage current
2. Differential leakage current

The results of measurements are displayed in display of REVEX.

The measurement methods can be selected by function switch **2**.

Front panel



- 1** Connector for REVEX universal cable
- 2** Function switch for selecting measurement method I_{PE} / I_{DIFF}

Included in the set

- Three phase adapter P 8015
- Calibration certificate
- User's manual
- Universal connection adapter for REVEX instruments

3. START-UP

Connecting the Three – phase adapter to the REVEX

The Three phase adapter P 8015 is determined for measurement in conjunction with the measuring instrument REVEX only!

- Connect the Three – phase adapter between three phase mains outlet and DUT.
- Connect the REVEX to mains outlet.
- Using universal cable interconnect Three phase adapter (connector **1**) to REVEX (see User's Manual of the REVEX).
- Select the measurement method I_{PE} / I_{DIFF} by function switch **2**.
- Prepare REVEX for measuring external leakage current – see User's Manual of REVEX which is used for the measuring.
- Switch on the mains switch of the DUT. The DUT is activated during measurement!
- Make measurement – see User's Manual of REVEX which is used for the measuring.

4. CALIBRATION AND SERVICE

Calibration

All measurement instruments should be regularly calibrated. We recommend interval of calibration 2 years. Furthermore we recommend to carry out calibration after each repair.

Service

Contact your local distributor for further information.



Unauthorized persons are not allowed to open the Three – phase adapter P 8015!
There are no replaceable components inside the instrument!

Producer:



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5. TECHNICAL SPECIFICATION

Protective class	II (double insulation)	ambient temperature.....	0 °C ÷ 40 °C
Over voltage class.....	CAT II	humidity.....	max. 75 % RH @ 23 °C (condensation not allowed)
Pollution degree.....	2	Max. current.....	16 A / 30 min. (it depends on tested equipment)
Degree of protection.....	IP 40	Dimension (w x d x h).....	115 x 65 x 55 mm
Reference conditions:		Mass.....	1,0 kg
line voltage.....	400 V ± 1 % / 50 ÷ 60 Hz	Storage temperature/humidity range..... -10 ° ÷ 50 °C / max. 75 % RH
ambient temperature.....	(23 ± 2) °C	Case resistance to temperature.....	70 °C
humidity.....	45 ÷ 55 % RH @ 23 °C		
position.....	arbitrary		
Operating condition:			
line voltage.....	400 V ± 10 % / 50 ÷ 60 Hz		

Measuring range	0.01 ÷ 20 mA/ 50 – 60 Hz
Current ratio	1000:1
Intrinsic (reference) error of current ratio	±(2 % of Reading + 0,02 mA)
Operating error of curren ratio	±(3 % of Reading + 0,02 mA)

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DECLARATION OF CONFORMITY

Apparatus Identification: A3P-16/5

Apparatus Classification: Test and Measurement Equipment

Statement of Conformity:

Based on sample product test result using appropriate standards, and in accordance with the following EC directives ILLKO, s.r.o. hereby declares the A3P-16/5 to be in conformity with:

EC Directive 72/23/EEC amended by 93/68/EEC

Sample Product Testing for safety:

Tested by: INSTITUTE FOR TESTING AND CERTIFICATION, a.s.
Testing Laboratory No. 1004.3
Division 4 - MESIT QM
Sokolovská 573
Uherské Hradiště
Czech Republic

Standards Used:

ČSN EN 61010-1:1995 + A2:1997 (Czech version EN 61010-1:1993 + A2:1995)

Report ID: Test Report No. 3308/02 – Test Report about Electric Safety Test on the
3 – phase adapter A3P-16/5



Issue Date: May 15, 2002

Ivo Lipovský
Product Manager

P8015/13-R2