

## Norma Star Point Adapter

- max. 500 V Phase to Phase
- High frequency range 100 kHz
- Compensated phase angle
- Basic uncertainty  $\pm 0,2\%$
- Insulation 600V CAT III
- Safety input plugs
- Insulated safety output connectors

### **Introduction**

Norma Star Point Adapter generates a virtual star point in 3-phase delta systems without neutral for measuring purposes.

### **Applied Standards and Regulations**

Norma Star Point Adapter conforms to the European Low Voltage Directive 2006/95/EC.

Norma Star Point Adapter is designed in accordance with the harmonized standard

IEC 61010-1: Pollution Degree 2,

IEC 61010-2-030: 600 V CAT III

Safety of Measuring, Control and Laboratory

Equipment Part 1: General Requirements

Protection Class II according to IEC 61140

Pollution degree 2

### **Contacting Fluke**

To contact Fluke, call one of the following telephone numbers:

USA: 1-800-44-FLUKE (1-800-443-5853)

Canada: 1-800-36-FLUKE (1-800-363-5853)

Europe: +31 402-675-200

Japan: +81-3-6714-3114

Singapore: +65-6799-5566

Anywhere in the world: +1-425-446-5500

USA Service: 1-888-99-FLUKE (1-888-993-5853)

Or, visit Fluke's Web site at [www.fluke.com](http://www.fluke.com).

To register your product, visit [register.fluke.com](http://register.fluke.com)



## **Technical Data**

Nominal Resistance between phases: 200kΩ // 260pF

Max. Voltage between phases: 500V

Basic Uncertainty: ± 0,2%

Uncertainty at 100kHz: ± 1%

Measurement Category: 600V CAT III / 300V CAT IV

Dimension: 195 x 125 x 57 mm

Weight: 445g

Protection: IP 40

Operating Temperature: -10 to +40°C

Storage Temperature: -10°C to +70°C

Altitude: ≤2000 m

Humidity: ≤40 C, 75 % rh; ≤40 C, 95 % rh; ≤ 10

## Safety Information



Norma Star Point Adapter can only be operated by qualified and / or authorized personnel in accordance with the technical data given and the following safety instructions.

In addition, the national law and safety rules corresponding to the processed use of the device must be taken into consideration. This also applies to the use of accessories.

Certain parts of the device inside of the box are exposed to hazardous voltages during the use of the electric device. If you do not respect the safety instructions, serious injury or damage to equipment can occur.

If the Norma Star Point Adapter is connected to higher voltages against earth (max. 600V CATIII) the output connections "HI" carry these high voltages!

The specified measurement category of the input of measuring device has to correspond to the processed use.

Always connect the Star Point Adapter first to the measuring equipment before connecting to the distribution system!

## Symbols

	Important information – see manual
	Double insulation
	Earth ground
	Conforms to Directives of the European Union
	Canadian Standards Association is the certified body used for testing compliance to safety standards
	Conforms to relevant Australian Standards
	This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste. Go to Fluke's website for recycling information.

## **Instructions for use**

The user is responsible for safe operation of the measuring device and must therefore be suitably qualified and/or authorized.

Safe operation of the measuring device assumes the product has undergone:

- careful transportation
- professional storage and installation
- careful operation and maintenance

A device which is obviously or supposedly damaged or non-working shall not longer be used.

The device shall only be opened by qualified service personnel!

Safe operation of the device is not longer possible under the following conditions:

- appearance of visible damage
- storage for extended periods of time under climatic conditions beyond those specified by the manufacturer
- exposure to extreme mechanical strain

## **Maintenance**

To clean the synthetic housing, a damp cloth with detergent can be used.

Do not use abrasives or other solvents!  
No fluid should enter the device.

While the device is being cleaned, the star point adapter must be disconnected from the measuring circuit.

### **LIMITED WARRANTY AND LIMITATION OF LIABILITY**

This Fluke product will be free from defects in material and workmanship for one year from the date of purchase. This warranty does not cover fuses, disposable batteries, or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that Service Center with a description of the problem.

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