

PH 2-N Digital Phase Meter

by **COTEL**

- **Precise & Versatile**
- **Measures Phase Angle between any 2 Sine Signals**
- **Voltage/Voltage, Voltage/Current, Current/Current**
- **True RMS values on each channel**
- **Phase Lead or Lag**
- **Power Factor**
- **USB for Real-Time Data Transfer**
- **Resolution 0.1 Degree**



SPECIFICATION

Rugged housing with carrying handle
Dimensions 19 x 15 x 23 cm. Weight 2.5 kg.
Supply 115/230 Vac +/- 10% + earth. Fuse protection.
Supplied with power cable and 4 input cables.
Two inputs which are galvanically insulated from one another and earth
Voltage inputs 0.2 - 500 Vac with two automatically selecting ranges of 12 & 500 V
Current inputs 0.1 - 20 Amps ac. CT's can be used for higher currents.

MEASUREMENTS

Display of the phase angle between 0 - 360° or +/- 180°
Accuracy +/- 0.3° for 20% or more of the used.
Resolution 0.1°
Frequency from 40 to 70 Hz. Resolution 1 mHz.
Voltage amplitude is TRMS with 0.5% accuracy
Current amplitude is TRMS with 0.5% accuracy

Environmental Conditions

Operating Temp. 0 to 50°C
Storage Temp. -40 to +70°C
Pollution degree 2
Intended for use in industrial and High Voltage zones.

Options

Licence for activeX (CD & USB Cable)
Carrying bag for instrument and cables.
Current clamps

APPLICATION

The **PH 2-N** is an easy to use digital Phase Meter for measuring the phase angle between any two sinusoidal inputs. It is used for testing directional protection relays, power transmission optimisation, verification of connections for rotating machinery, checking power upstream of protections, synchronisation between two networks, measuring the phase difference between power transformers, and many other applications.

The USB computer connection has an optional activeX package to enable real-time data transfer for use in Excel or other formats.

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