

Single phase knowledge test (Single Phase Tester)

P and T Technology (Pty) Ltd Electrical Competency Training Institute is an accredited provider with the Energy SETA and the CHIETA .

The training and development centre at the 141 Lamp Road, Wadeville, Germiston.

Next test dates: Refer to course calendar on the web page www.pandttechnology.co.za

This test is developed for the candidate that falls under section 28 that are applying for a single phase license under option 3 of the Department of Labour information brochure.

The Knowledge test will include but is not limited to the following

Atomic theory

- Matter
- Atom
- Electrons
- Electron flow

Conductors and Insulators

- Conductors
- Meaning of terms
- Comparison between aluminium and copper
- Insulators
- Types and uses of insulators

External power source

- Electrical measurements and terminology
- Potential difference or voltage
- Voltage drop across resistor

Power generation and distribution

- AC/DC Power Generation and distribution
- Operation of a DC generator
- AC Generator (alternator)
- Ohms law
- SI units
- Prefixes
- Symbols
- Voltage, current and resistance
- Power and energy
- Kirchoff's current law states:

Target audience

- Electricians working in Domestic installations.
- Electricians wanting to upgrade their knowledge on Single phase motors and starters.
- Electricians requiring assessment at Assessment centre for Single phase licence

Pre-requisites

Written proof of 5 or more years experience in the Single phase electrical industry

Purpose of test

To establish candidate's knowledge relating to single phase electrical installations

Documentation provide

- Test material

Test duration:

3 Hours

Practical

None

Refreshments

Meals are not provided

Certificates

No certificate only a statement of results

Test cost

N2 Equivalence knowledge test R 478.80 Including 14% Vat

RETURN PROGRAM ENROLMENT FORM AND PROOF OF PAYMENT TO:

P and T Technology (Pty) Ltd Fax :- 011 827 4118 attention: Juanita

Company:- _____

P. O. Box _____ Code:- _____

First Name _____ Surname _____

Title _____ ID Number _____

Tel:- (____) _____ Fax:- (____) _____

Cell No:- _____ email:- _____

Occupation _____ Company VAT NO. _____ **(NB)**

Single phase knowledge test (Single phase tester) R 478.80 Date of selected test: _____

I, _____ **have read and accept the**
Name and Surname

TERMS AND CONDITIONS

 Signature of delegate

Payment method

- Cheque payable to P and T Technology (Pty) Ltd deposited into the account number below
- Deposit / EFT deposit

Account details: **Account holder:** P and T Technology (Pty) Ltd
 Bank: ABSA
 Branch code: 631 – 142
 Account Number: 4056618661

Tel (011) 827 4113/6
 Fax (011) 827 4118
 e-mail juanita@pandttechnology.co.za
 Web: www.pandttechnology.co.za

If the course is being paid by your company, please complete the form below and forward it **with your enrolment form**

P AND T TECHNOLOGY(PTY) LTD PROCUREMENT - CUSTOMER INFORMATION	
Please complete this document and return to P and T Technology (Pty) Ltd	
Legal Status (e.g. (Pty) Ltd)	
Name of Business	
Company Registration Number	
VAT Registration Number	
Company Postal Address	
Contact Person	
Telephone Number/s	
Contact Person (Accounts)	
Telephone Number/s	
Fax Number	
Email Address	
Name of Bank	
Branch	
Branch Code	
Account Number	
Type of Account	
Account Holder's Name	
Please complete the details and forward to:	
Attention	Juanita Botha
Email	juanita@pandttechnology.co.za