

“DAIDEN” Brand

Inverter Control D. C. TIG Arc Welder

(Available for manual welding)

Model TIG TAC LN300P

<AR-LN300P>

INSTRUCTION MANUAL

Osaka Denki Co., Ltd.

Osaka, Japan

Contents

| | Page |
|--|------|
| 1. Safe handling | 1 |
| 2. Construction | 2 |
| 3. Rated specification | 3 |
| 4. Installation and handling | 4 |
| 4.1 Facility | 4 |
| 4.2 Installation place | 4 |
| 4.3 High voltage exchange owing to a welding torch on use..... | 5 |
| 4.4 Nozzle ring handling | 5 |
| 5. Connection | 6 |
| 6. Operation | 9 |
| 6.1 Power source panel | 9 |
| 6.2 TIG welding | 13 |
| 6.3 Manual welding | 14 |
| 7. Application | 15 |
| 7.1 Printed board settings and use (adjustment) | 15 |
| 7.2 External terminal..... | 17 |
| 7.3 Duty cycle | 18 |
| 7.4 Welding condition | 18 |
| 8. Inspection and maintenance | 19 |
| 8.1 Periodical inspection..... | 19 |
| 8.2 Insulation test and dielectric test | 19 |
| 8.3 Trouble Shooting | 20 |
| 8.4 Parts List | 22 |
| 9. Wiring | 23 |
| 10. Outlook | 24 |