

전력용 변환기 (Power Transducers)



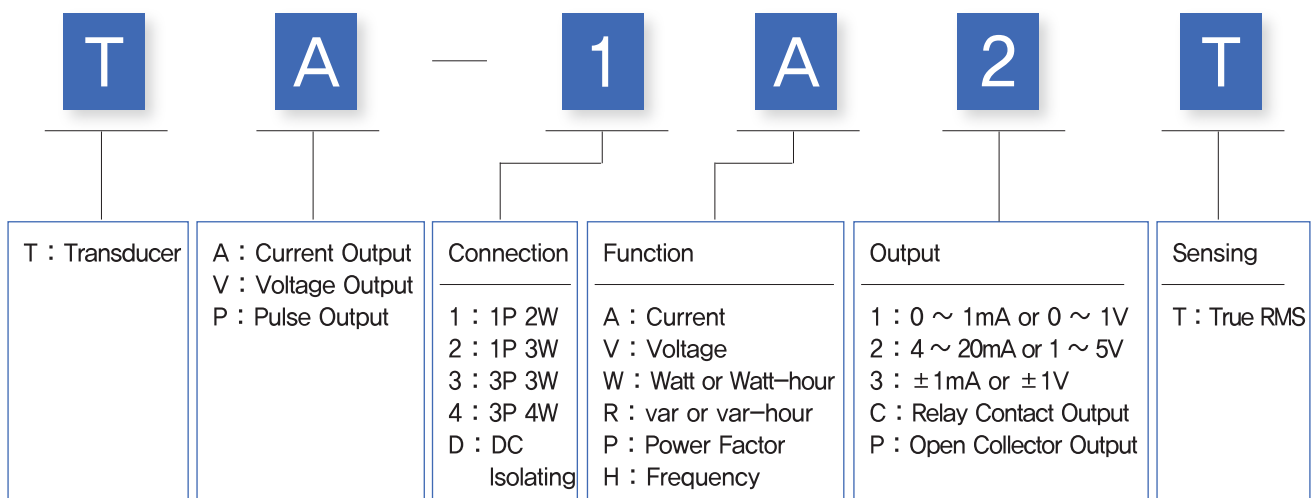
전력용 변환기는 교류의 전압, 전류, 전력, 무효전력, 역률, 주파수 등의 전기적 양을 이것에 비례하는 직류 전류 또는 전압으로 변환하는 기기로서 주로 자동제어 및 SCADA system 등에 부착되어 Digital meter, Recorder, Analog meter 등의 원거리 측정에 사용되며, 또한 PC 및 각종 자동제어 기기의 입력량 등의 광범위한 용도에 적용됩니다.

Power transducer is apparatus to transduce the electrical value of AC power system voltage, current, Watt, var, power factor, frequency etc, to DC voltage or current in proportion to its respective value for measuring purposes. This is the most suitable to transmit the electrical value of AC power system to the digital meter, recorder analog meter etc, on the remote supervisory panel and widely use for input signal to computers, auto-control system, etc.

■ 주요 특징 (Overview)

- 고정밀 변환기
High Accuracy
- 빠른 응답 시간
Quick Response Time
- 낮은 출력 리플
Low Output Ripple
- 외부 노이즈에 높은 내성
High Immunity to External Noise
- 입력과 출력 완전한 절연 제품
Perfectly Insulated to input and output
- 편리하고 간편한 설치
Quick and Easy Mounting
- 출력 정밀 조절(SPAN) 가능
Readily Accessible Span and Zero Adjustments.

■ 형식 표시 방법 (Type Information)

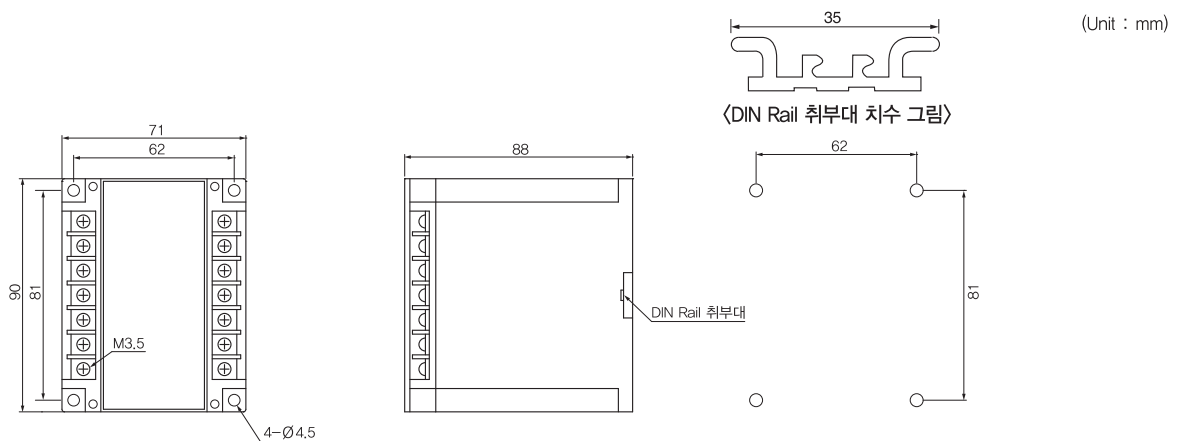


■ 주요 성능 (Performance)

- Standard Test Temperature : $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Operating Temperature Range : $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- Storage Temperature Range : $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Operating Humidity : $30 \sim 85\%$, non-condensing
- Color of case : Black (Munsell No N1,5)
- Material of Case : ABS Resin / DIN rail type
- Terminal Screws : M3,5
- Auxiliary Power : AC110 / 220V
- Zero Adjustment : $\pm 10\%$ minimum
- Span Adjustment : $\pm 10\%$ minimum
- Influences Affecting Accuracy
 - Temperature : Less than 0.2% from 0 to 50°C
 - Long-term Stability : Less than 0.2% / year non-cumulative
 - Frequency : Less than 0.1% 50Hz or 60Hz
 - External magnetic field : Less than 0.2% 400A/m
- Overload Current : 1.2In continuous
10In 3sec.
- Voltage : 1.2Vn continuous
1.5Vn 10sec.
- Dielectric Strength : Input terminal to Case AC 2000V 1minute
Input to Output terminal AC 2000V 1minute
- Impulse / Surge : $1.2 \times 50\mu\text{s}$, 5kV / 2.5kV 1MHz

■ 외형 치수 (Dimension)

■ TS Type



■ TL Type

