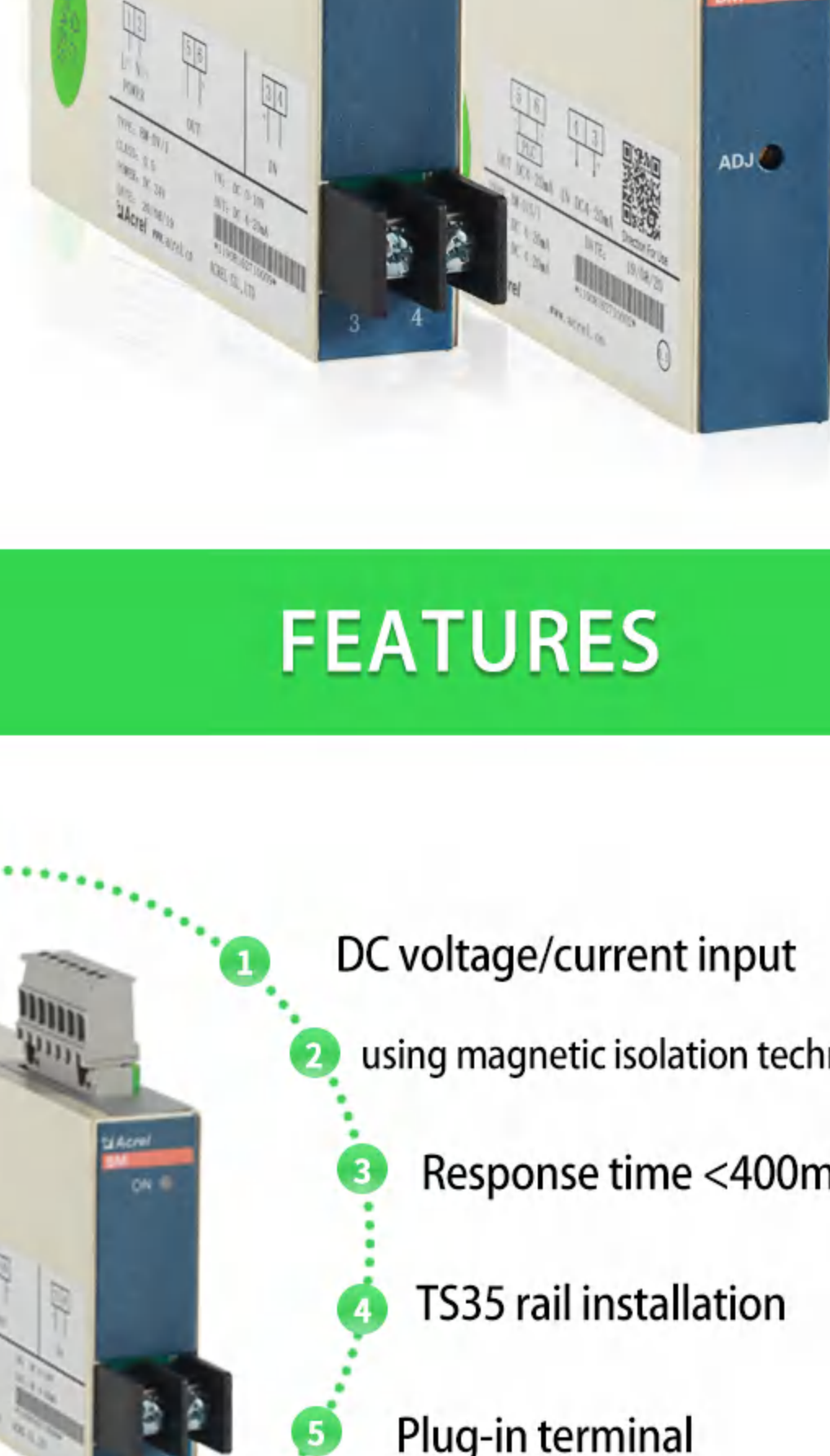
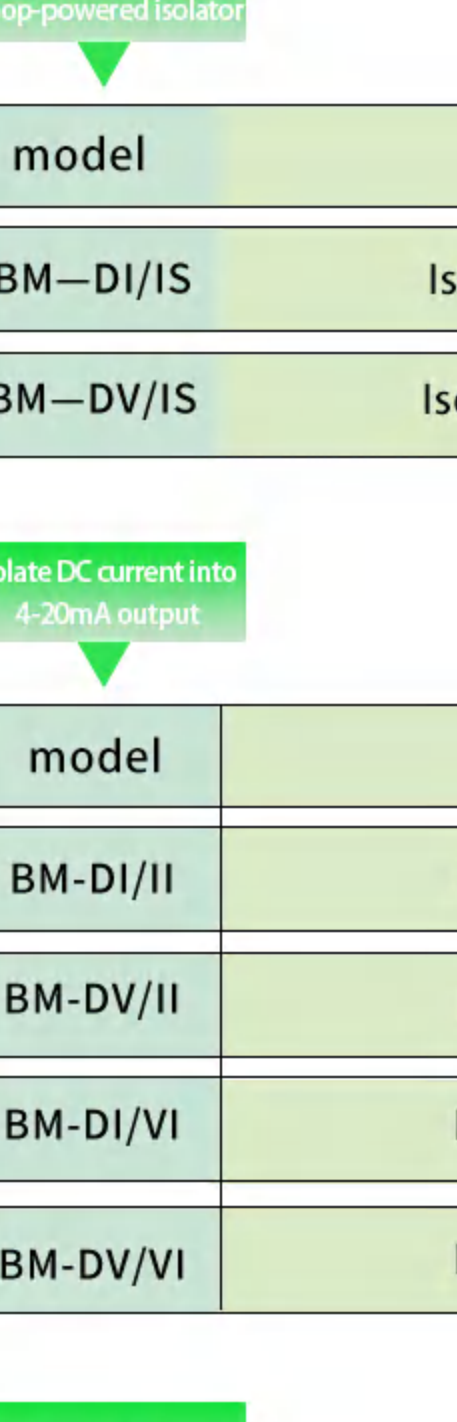


BM Series Analog Signal Isolator



FEATURES



- 1 DC voltage/current input
- 2 using magnetic isolation technology
- 3 Response time <400ms
- 4 TS35 rail installation
- 5 Plug-in terminal
- 6 Temperature drift coefficient: $\leq 200\text{ppm}/^\circ\text{C}$ at 0.5 level

PRODUCT MODEL

Two-wire output Loop-powered isolator

model	Function
BM-DI/IS	Isolate DC current into 4-20mA output
BM-DV/IS	Isolate DC current into 4-20mA output

Isolate DC current into 4-20mA output

model	Function
BM-DI/II	Isolate DC current into 4-20mA output
BM-DV/II	Isolate DC current into 4-20mA output
BM-DI/VI	Isolate DC current into 4-20mA output
BM-DV/VI	Isolate DC current into 4-20mA output

Four-wire isolator

model	Function
BM-DI/I	DC current is isolated by 2000V three-terminal, output 4-20mA signal
BM-DI/V	DC current is isolated by 2000V three-terminal, output 0-5V DC signal
BM-DV/I	DC voltage is isolated by 2000V three-terminal, output 4-20mA signal
BM-DV/V	DC current is isolated by 2000V three-terminal, output 0-5V DC signal

Passive isolator

model	Function
BM-DIS/I	Standard 4-20mA, proportional output 4-20mA signal

Two-wire output loop power supply AC current isolator

model	Function
BM-AI/IS	Change 0-5A AC current isolation into 4-20mA output

Two-wire output loop power supply AC voltage isolator

model	Function
BM-AV/IS	Isolate 0-450V AC voltage into 4-20mA output

Thermal resistance isolator

model	Function
BM-TR/IS	PT100 input, the signal is isolated by 2000V, output 4-20mA
BM-TR/I	PT100 input, the signal is isolated by 2000V, output 4-20mA

Two-wire output loop power supply Resistance isolator

model	Function
BM-R/IS	Provide 4-20mA output and 2000V isolation for standard 2-wire resistance signal

Two-wire output loop power supply Potentiometer isolator

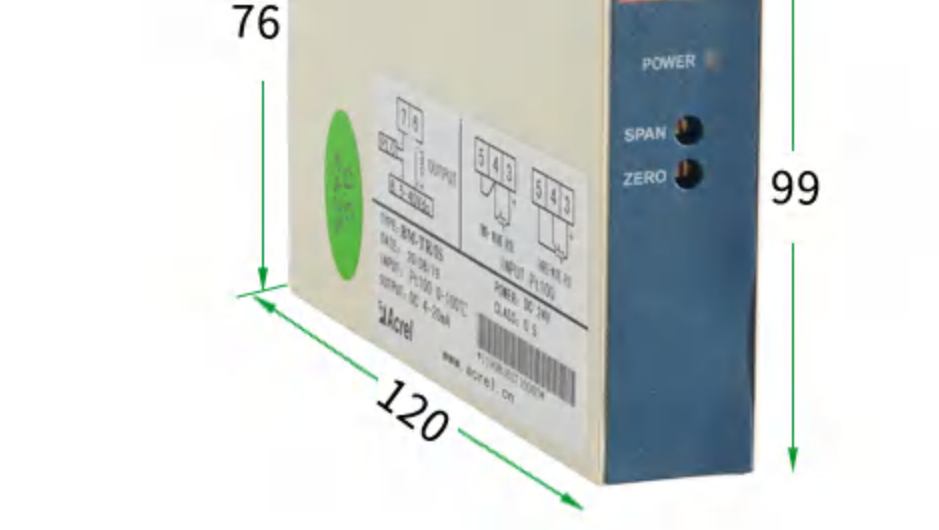
model	Function
BM-VR/IS	Provide 4-20mA output and 2kV isolation for potentiometers from 350Ω to 10kΩ

PRODUCT SIZE

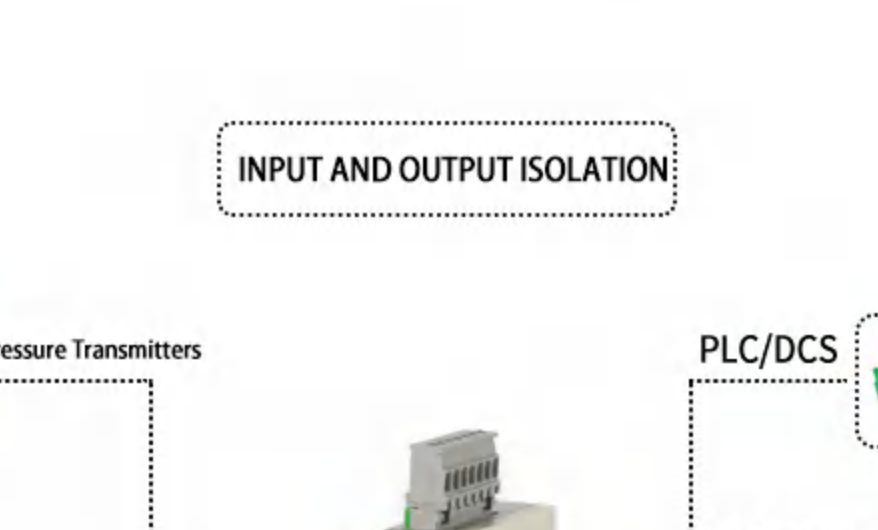
Two-wire output loop power supply isolator [Unit mm]



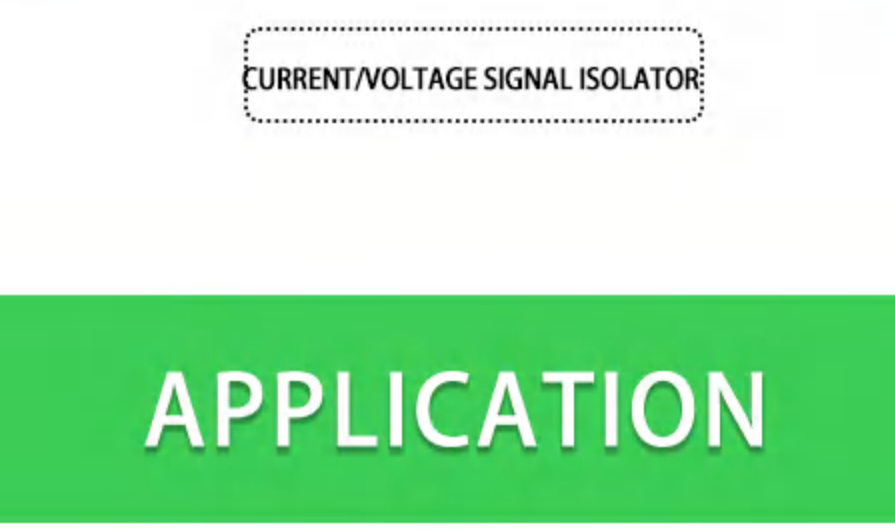
One In Two Out Isolator [Unit mm]



Four-wire isolator [Unit mm]



Passive isolator [unit mm]



Two-wire output circuit power supply AC current isolator [Unit mm]



Thermal resistance isolator [Unit mm]



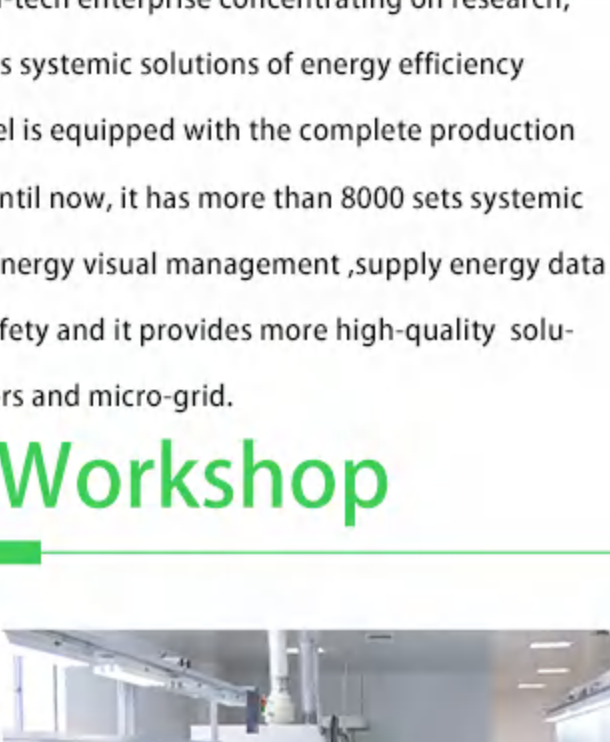
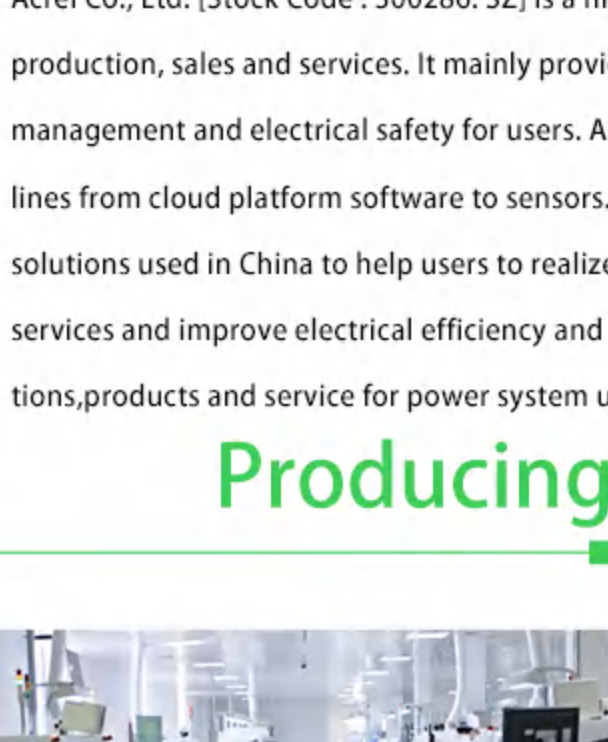
APPLICATION CHART

INPUT AND OUTPUT ISOLATION



CURRENT/VOLTAGE SIGNAL ISOLATOR

APPLICATION



About Acrel



Acrel Co., Ltd. [Stock Code : 300286.SZ] is a high-tech enterprise concentrating on research, production, sales and services. It mainly provides systemic solutions of energy efficiency management and electrical safety for users. Acrel is equipped with the complete production lines from cloud platform software to sensors. Until now, it has more than 8000 sets systemic solutions used in China to help users to realize energy visual management, supply energy data services and improve electrical efficiency and safety and it provides more high-quality solutions, products and service for power system users and micro-grid.

Producing Workshop

