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Data Sheet

August 14, 2026

ANDO

Yokogawa 2786 Series Decade Resistance Box

Yokogawa 2786 Series Six Dial Decade Resistance Box The Yokogawa 2786 series comprises 278610 and 278620 six-dial decade resistance boxes for DC and low frequency use. OEM specifications list 0.1 to 111111 ohm or 1 to 1111110 ohm, residual resistance less than 23 mOhm, 0.3 W/step (3 W total), 250 V maximum circuit voltage, and 497 × 116 × 140 mm 3.5 kg. Precision resistance setting, dummy loads, and AC bridge arms in calibration and production test. Instrument Family: Yokogawa 2786 six dial decade resistance box The Yokogawa 2786 series comprises 278610 and 278620 six-dial decade resistance boxes for DC and low frequency use. OEM specifications list 0.1 to 111111 ohm or 1 to 1111110 ohm, residual resistance less than 23 mOhm, 0.3 W/step (3 W total), 250 V maximum circuit voltage, and 497 × 116 × 140 mm 3.5 kg. Precision resistance setting, dummy loads, and AC bridge arms in calibration and production test. Instrument Family: Yokogawa 2786 six dial decade resistance box Power Rating: 0.3 W per step within 3 W overall



MODEL

Ando 2786

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2786

LISTING

<https://aumictechlabs.com/products/2786-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa 2786 Series Decade Resistance Box is a precision instrument for rapid, accurate resistance setting across a wide range of values. Its six-dial configuration enables flexible resistance selection suitable for laboratory, industrial, and production environments. The series is a calibration standard for voltage and current adjustment, functions as a dummy load, and

integrates into AC bridge circuits for experimental setups and line testing. Technical Specifications

Models & Resistance Range Model 278610: 0.1 Ω to 111,111 Ω Model 278620: 1 Ω to 1,111,110 Ω Six-dial configuration for intuitive value selection

Electrical Performance Residual resistance: <23 m Ω Temperature coefficient: < ± 10 ppm/ $^{\circ}\text{C}$ Accuracy: $\pm 0.01\%$ rdg (at $23 \pm 3^{\circ}\text{C}$, 45–75% RH, input power 500 M Ω at 500 V DC (panel to circuit) Dielectric strength: 1,500 V AC for 1 minute (terminals to case)

Power Ratings Rated dissipation: 0.3 W per step; 3 W maximum (instrument) Maximum allowable input: 0.5 W per step; 5 W maximum (instrument) Current limiting: determined by highest-resistance dial when multiple dials are active

Environmental Operating temperature: 0°C to 40°C Storage temperature: -10°C to 50°C Humidity range: 25% to 85% RH

Key Features Metal case shields against electrical, magnetic, and thermal interference Compact form factor: 497 mm (W) $\times$ 116 mm (H) $\times$ 140 mm (D) Weight: approximately 3.5 kg - portable for field and bench use Rack-mountable configuration available with case removal

Overvoltage protection safeguards against element value shift from excessive input

Typical Applications Voltage and current standard adjustment in metrology labs Dummy load simulation for power supply and amplifier testing Component in AC bridge measurement circuits Production line resistance calibration and verification Experimental circuit development requiring precise, repeatable values

2786 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Yokogawa 2786 six dial decade resistance box
Model 278610 Range	0.1 to 111111 ohm
Model 278620 Range	1 to 1111110 ohm
Number Of Dials	6
Residual Resistance	less than 23 mOhm
Power Rating	0.3 W per step within 3 W overall
Maximum Allowed Input	0.5 W per step 5 W overall
Maximum Circuit Voltage	250 V
Operating Temperature	0 to 40 C
Storage Temperature	minus 10 to 50 C
Humidity	25 to 85 percent RH
Insulation Resistance	more than 500 MOhm at 500 V DC between panel and circuit
Dielectric Strength	1500 V AC for one minute
Dimensions Excluding Protrusions	497 W x 116 H x 140 D mm
Mass	approx 3.5 kg
Temperature Coefficient	less than plus or minus 10 ppm perCAccuracy Condition Temperature: 23 plus or minus 3 C
Accuracy Condition Humidity	45 to 75 percent RH
Accuracy Condition Power	less than 0.1 W
Lowest Decade Model 2786	0.1 ohm
Highest Decade Model 2786	100 kOhm steps to 1111110 ohm total
Mounting	bench; rack possible if case removed per manual
Terminals	front panel resistance terminals

2786 Specifications

PARAMETER	VALUE
Yokogawa 2786 Series Six Dial Decade Resistance Box	Overview
Six decade dials for fast setting	Residual resistance less than 23 mOhm
Two range models 278610 and 278620	250 V maximum circuit voltage
Technical Specifications	Instrument Family: Yokogawa 2786 six dial decade resistance box

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 10 to 50 C
Operating temperature	0 to 40 C
Operating Temperature	0 to 40 C
Humidity	25 to 85 percent RH
Insulation Resistance	more than 500 MOhm at 500 V DC between panel and circuit
Dielectric Strength	1500 V AC for one minute
Dimensions Excluding Protrusions	497 W x 116 H x 140 D mm
Mass	approx 3.5 kg
Temperature Coefficient	less than plus or minus 10 ppm perCAccuracy Condition Temperature: 23 plus or minus 3 C
Accuracy Condition Humidity	45 to 75 percent RH
Accuracy Condition Power	less than 0.1 W
Lowest Decade Model 2786	0.1 ohm
Highest Decade Model 2786	100 kOhm steps to 1111110 ohm total
Mounting	bench; rack possible if case removed per manual
Terminals	front panel resistance terminals Notes From Yokogawa Decade Resistance Boxes 2786 official specification tables for 278610 and 278620. Queue brand Ando with Yokogawa 2786 title; these are Yokogawa 2786 boxes.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

specifications list 0.1 to 111111 ohm or 1 to 1111110 ohm, residual resistance less than 23 m0hm, 0.3 W/step (3 W total), 250 V maximum circuit voltage, and 497 x 116 x 140 mm 3.5 kg.

Applications

Precision resistance setting, dummy loads, and AC bridge arms in calibration and production test.

Key Features

Six decade dials for fast setting

Residual resistance less than 23 m0hm

Two range models 278610 and 278620

250 V maximum circuit voltage

1500 VAC dielectric strength

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Instrument Family	Yokogawa 2786 six dial decade resistance box
Model 278610 Range	0.1 to 111111 ohm
Model 278620 Range	1 to 1111110 ohm
Number Of Dials	6
Residual Resistance	less than 23 m0hm
Power Rating	0.3 W per step within 3 W overall
Maximum Allowed Input	0.5 W per step 5 W overall
Maximum Circuit Voltage	250 V
Operating Temperature	0 to 40 C
Storage Temperature	minus 10 to 50 C
Humidity	25 to 85 percent RH
Insulation Resistance	more than 500 M0hm at 500 V DC between panel and circuit
Dielectric Strength	1500 V AC for one minute
Dimensions Excluding Protrusions	497 W x 116 H x 140 D mm
Mass	approx 3.5 kg
Temperature Coefficient	less than plus or minus 10 ppm perCAccuracy Condition Temperature: 23 plus or minus 3 C
Accuracy Condition Humidity	45 to 75 percent RH
Accuracy Condition Power	less than 0.1 W
Lowest Decade Model 278610	0.1 ohm
Lowest Decade Model 278620	1 ohm

PARAMETER	VALUE
Highest Decade Model 278610	10 k0hm steps to 111111 ohm total
Highest Decade Model 278620	100 k0hm steps to 1111110 ohm total
Mounting	bench; rack possible if case removed per manual
Terminals	front panel resistance terminals

Notes
From Yokogawa Decade Resistance Boxes 2786 official specification tables for 278610 and 278620. Queue brand Ando with Yokogawa 2786 title; these are Yokogawa 2786 boxes.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.