C.A 1631 voltage/current process-signal calibrator

The C.A 1631 is a measuring instrument. It can be used for measurement
or to deliver a DC current loop between 0 and 24 mA and a DC voltage between 0 and 20 V.

DC voltage input and output specifications

Calibre	Resolution	Accuracy ± (% of reading + counts)
100 mV	0.01 mV	0.02 % + 3
20 V	0.001 V	0.02 % + 3

Input impedance: 2 MΩ (rated value), < 100 pF
Protection against overvoltage: 30 V
Current delivered by rated voltage: 1 mA

DC current input and output specifications

Calibre	Resolution	Accuracy ± (% of reading + counts)
24 mA	0.001 mA	0.015 % + 3

Protection against overloads: 125 mA/250 V quick-response fuse

Display as percentage: 0 % = 4 mA, 100 % = 20 mA

Source mode: 1,000 Ω load at 20 mA for battery voltage ≥ 6.8 V, (700 Ω at 20 mA for a battery voltage between 5.8 and 6.8 V)

Simulation: external loop voltage condition: 24 V (rated value), 30 V maximum, 12 V minimum.

Loop voltage supply: 24 V ± 10 %