



VOLTH

VOLTH S-71

mA Loop Digital Multimeter

High performance Industrial Digital Multimeter with 4-20mA Loop

The **VOLTH S-71** is the new High performance Digital Multimeter with 4-20mA loop current which provide much more safe measurements with double molded plastic housing design. S-71 is a Process maintenance instrument with multifunction of digital multimeter and process signal source. Providing 24V power supply to loop circuit and measuring the current simultaneously. Built in self-tests with closed-case calibration

The best general troubleshooting True-RMS tools for industrials, commercial and general electricians. Equipped with full range protection, it measures up to 1000V (AC/DC). The Safety conformance EN 61010-1.



WWW.VOLTH.NET

One Year Warranty

Features

- 4-20mA signal source instrument with multifunction of digital multimeter
- Providing 24V power supply to loop circuit and measuring the current simultaneously
- 250Ω HART internal feedback resistor without an external resistor needed
- 4-20mA current range set up by bit, step current output manually
- Simulating transmitter mA and mA% displayed format
- Provide a maximum output accuracy of 0.2%, display 5-digit measured value
- Built in self-tests with closed-case calibration (no internal calibration adjustment)
- AC Voltage 500V / DC Voltage 50V
- Auto Ranging / Manual Range selection
- Resistance, Continuity, Diode check, Data Hold
- Surge protection : 8kV peak per IEC61010
- Auto Power Off
- Low battery indication
- Backlight Display

(Check the VOLTH website for last updated specifications)

Accessories

Test leads, Soft carrying case, alligator clip, User manual and alkaline battery AAx2

Specifications

Output	Range	Output range	Resolution	Accuracy	Notes
DC Current	20mA	0.000-22.000mA	0.001mA	0.07% ± 2 digit	20mA with maximum load resistance 1KΩ
SIMULATE	-20mA	0.000-22.000mA	0.001mA		20mA with maximum load resistance 1KΩ
LOOP	24V			± 10%	Maximum output current 25mA

Measurement specification

Output	Range	Output range	Resolution	Accuracy	Notes
DC Voltage	50V	-51.00V-51.00V	10mV	0.5% ± 4 digit	
AC Voltage	500V	30.0V-510.0V	100mV	1.5% ± 4 digit	45Hz-400Hz
Resistance	5kΩ	0V-5.100kΩ	0.001kΩ	0.5% ± 4 digit	Open circuit voltage : 2.2V Short circuit current : 0.1mA
DC Current	20mA	-22.000mA-22.000mA	0.001mA	0.07% ± 2 digit	
Continuity	500Ω	0.0-510.0Ω	0.1Ω	warning Threshold: 20Ω	Open circuit voltage : 2.2V Short circuit current : 1mA
Diode	2V	0.000V-2.100V	0.001V	1.0% ± 20 digit	

AC Response : True RMS (45 Hz or 1000 Hz)

Measurement rate : 2.5 times per second, nominal

Insulation : Class2, Double insulation.

The instrument complies with : ENEN61010-1, Pollution Degree 2, UL61010-1, CAN/CSA C22.2 No. 61010-2 Overvoltage category : CATIV 600V.

Size (HxWxD) : 180 mm x 90 mm x 47 mm

Weight : 500 g