Technical Specifications of Multifunction calibrator with HART communicator

Source

DC mill volt	Range	0 - 100mV or better
	Accuracy=±(%of the set value +% of range)	0.01%+0.01% or better
	Resolution	1uV or better
DC voltage	Range	0 - 10V or better
	Accuracy=±(%of the set value +% of range)	0.01%+0.01% or better
	Resolution	10uV/0.1mV or better
DC current	Range	0 - 30mA or better
	Accuracy=±(%of the set value +% of range)	0.01%+0.01% or better
	Resolution	1uA
Sink current	Range	0 - 30 mA or better
	Accuracy=±(%of the set value +% of range)	0.01%+0.01% or better
	Resolution	1uA or better
Resistance	Range	0 - 4KΩ or better
	Accuracy=±(%of the set value +% of range)	0.01%+0.01% or better
	Resolution	0.01Ω/0.1 Ω or better
Thermocouple	Range	R/S/K/E/J/T/B/N/L/U
	Accuracy	0.4°C or better
	Resolution	0.1°C/1°C or better
RTD	Range	Pt100/ Pt200/ Pt500/ Pt1000/Cu 10/Cu 50
	Accuracy	0.2°C or better
	Resolution	0.1°C or better

Measurement

DC mill volt	Range	0 - 500mV or better
	Accuracy=±(%of the set value +% of range)	0.01%+0.01% or better
	Resolution	1uV/10uV or better
DC voltage	Range	0 - 30V or better
	Accuracy=±(%of the set value +% of range)	0.01%+0.01% or better
	Resolution	0.1mV/1mV or better
DC current	Range	0 - 50mA or better
	Accuracy=±(%of the set value +% of range)	0.01%+0.01% or better
	Resolution	1uA or better
Resistance	Range	0 - 5KΩ or better
	Accuracy=±(%of the set value +% of range)	0.01%+0.01% or better
	Resolution	0.01Ω/0.1Ω or better
Thermocouple	Range	R/S/K/E/J/T/B/N/L/U
	Accuracy	0.7°C or better
	Resolution	0.1°C/1°C or better
RTD	Range	Pt100/ Pt200/ Pt500/ Pt1000/Cu 10/Cu 50
	Accuracy	0.4°C or better
	Resolution	0.1°C or better

HART

HART	1. The meter shall possess HART communication function, supporting common HART commands and general application commands. 2. The meter shall read the information of the calibrated instrument, facilitate diagnose test and undertake settings and adjustments of calibrations and functions of HART transducers, transmitters etc 3. The meter can store atleast twenty configuration files of HART devices to make analysis by PC through utility software 4. All the required accessories for HART communication to be supplied along with the unit

Communication function	1. The meter shall support SCPI commands of industrial standard and can realize remote control of the meter by equipment driver software 2. RS232 serial communication, can realize remote control instrument by the device driver software. 3. The meter shall be able to store minimum 1000(groups) data of field calibration and communicate with the PC and upload the data through respective software

Other features

Power supply	Battery operated
Display	3.2inches or better TFT display screen supporting multiple data display interface
Backlight	Required
Auto Power-off	Required
Charging function	Required
Room temperature display	Required
Battery detection	Required
The ramp signal	Required

Warranty: 3 years (Minimum)