

Product Datasheet - Technical Specifications



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Compact, robust and accurate

Capabilities

- Voltage measurements up to 600V AC and 600V DC
- Current measurements up to 10A (7203 & 7204)
- Frequency
- Capacitance
- Temperature (7204)
- Resistance measurements up to 40Mohms
- Continuity test with buzzer
- Voltage detector (non contact)
- Peak-Hold and relative mode
- Protective rubber holster with magnet



TRMS AC measurements

The new 720X series offers TRMS AC measurement with a crest factor up to 3. All types of signals can be measured with excellent accuracy.

Holster with magnet

The new rubber holster equipped with a magnet will not only protect your DMM against shocks, but will allow you to work with both hands free. This feature is very useful when working in an electrical switch board.

Special functions

Each model in the 720X series includes:

- Non contact voltage tester
- Peak-Hold measurements
- Relative measurements

Extend the current ranges up to 3000A AC with the Flex clamps

For some of your applications, you need to measure higher current? We have the solution! With our Flex clamps SEFRAM SP295 & SP296, you can extend the measurement range up to 3000A AC.

| Selection guide | 7202 | 7203 | 7204 |
|------------------------------------|------|------|------|
| AC & DC Voltage | ✓ | ✓ | ✓ |
| Resistance, frequency, capacitance | ✓ | ✓ | ✓ |
| µA DC current | - | ✓ | ✓ |
| 6/10A AC & DC current | - | ✓ | ✓ |
| Temperature | - | - | ✓ |
| Backlighted LCD | - | - | ✓ |



SEFRAM 7202, 7203 and 7204

TRMS AC Multimeters

| Specifications | 7202 | 7203 | 7204 |
|--|------|--|-----------------|
| DC Voltage | | | |
| Ranges | | 600mV to 600V | |
| Accuracy | | ±(0,5% + 3dgt) | |
| Resolution | | 0,1mV to 0,1V | |
| (600mV is separate from other ranges) | | | |
| AC Voltage - TRMS AC | | | |
| Ranges | | 600mV to 600V | |
| Resolution | | 0,1mV to 0,1V | |
| Accuracy | | ±(1,0% + 3dgt) | |
| Bandwidth | | 45Hz to 500Hz | |
| Crest factor | | 3 max. for a display of 4000 counts | |
| DC current - µA (7203, 7204) | | | |
| Ranges | - | 400µA and 4000µA | |
| Accuracy | - | ±(0,9% + 5dgt) | |
| Resolution | - | 0,1µA and 1µA | |
| Protection | - | HPC 15A fuse / 10 x 38mm | |
| DC current - 10A input (7203, 7204) | | | |
| Ranges | - | 6A and 10A | |
| Accuracy | - | ±(1,5% + 3dgt) | |
| Resolution | - | 1mA and 10mA | |
| Protection | - | HPC 15A fuse / 10 x 38mm | |
| AC current - 10A input - TRMS AC (7203, 7204) | | | |
| Ranges | - | 6A and 10A | |
| Resolution | - | 1mA and 10mA | |
| Accuracy | - | ±(1,5% + 5dgt) | |
| Bandwidth | - | 45Hz to 500Hz | |
| Crest factor | - | 3 max. for a display of 4000 counts | |
| Protection | - | HPC 15A fuse / 10 x 38mm | |
| Frequency | | | |
| Ranges | | 100Hz to 50kHz | |
| Accuracy | | ±(0,1% + 2dgt) | |
| Sensitivity (voltage) | | 4V for f<10kHz and 20V for f>10kHz | |
| Sensitivity (current) | | 0,6A from 10Hz to 50kHz | |
| Capacitance | | | |
| Ranges | | 50nF to 1000µF | |
| Resolution | | 0,01nF to 1µF | |
| Accuracy | | ±(1,9% + 8dgt) | |
| Protection | | 600Vrms | |
| Resistance | | | |
| Ranges | | 600ohms to 40Mohms | |
| Accuracy | | ±(0,5% + 2dgt) | |
| Resolution | | 0,1Ω to 10kΩ | |
| Protection | | 600Vrms | |
| Continuity test | | yes, with buzzer, threshold level between 30Ω and 200Ω | |
| Diode test | | yes, on 1,5V range | |
| Voltage detector | | non contact voltage detector, from 90V to 600V | |
| Peak-Hold (voltage & current) | | | |
| Accuracy | | ±150 digits typique | |
| Temperature (7204) | | | |
| Ranges | - | - | -40°C to +400°C |
| Accuracy (without thermocouple) | - | - | ±(1% + 1°C) |
| Protection | - | - | 600Vrms |
| Functions | | Hold, Peak-Hold, relative mode, auto power-off | |

| General specifications | | | |
|------------------------|--|--|--|
| Display | LCD, with backlight on 7204 3 digits 3/4, 6000 counts | | |
| Measurement rate | 3 measures/s | | |
| Operating temperature | 0°C to 40°C | | |
| Storage temperature | -10°C to 60°C | | |
| Protection | electronic and 15A HPC fuse, depending on ranges | | |
| Safety | CAT III - 600V | | |
| Power supply | 2 x 1,5V - AAA batteries | | |
| Autonomy | 300h typical (with alkaline batteries) | | |
| Dimensions | 77 x 148 x 45mm (with holster) | | |
| Weight | 320g (with holster) | | |
| Warranty | 1 year | | |

Supplied with : batteries, 1 set of safety test leads, manual, thermocouple (7204), rubber holster



FT720XA00 - Specifications can be updated without notice

