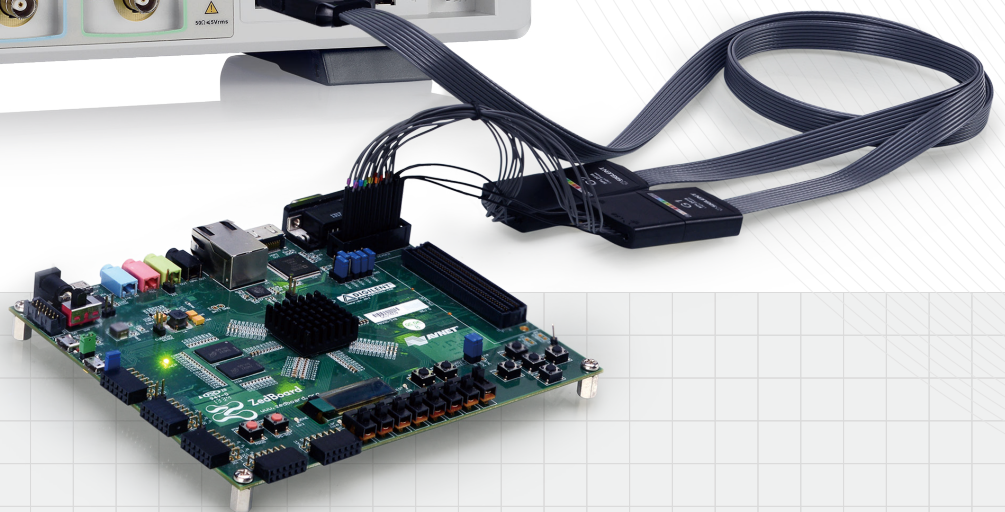
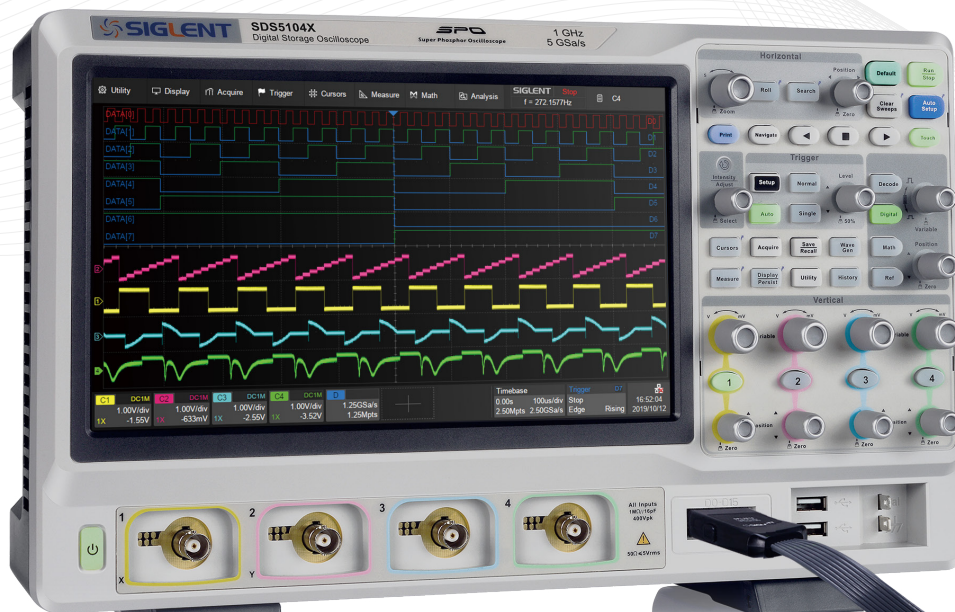


# DataSheet

## SIGLENT Series

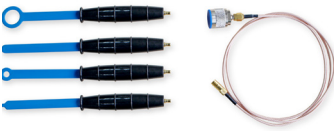
### Probe



## Logic Probe

| parameter \ Model                     | SPL2016                                                                           | SPL1016                                                                            | SPL1008                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                       |  |  |  |
| <b>Input Channels</b>                 | 16                                                                                | 16                                                                                 | 8                                                                                   |
| <b>Input Impedance</b>                | 100k $\Omega$   18pF                                                              | 100k $\Omega$   8pF                                                                | 100k $\Omega$   18pF                                                                |
| <b>Maximum Input Voltage</b>          | $\pm$ 50V Peak                                                                    | $\pm$ 20V Peak                                                                     | $\pm$ 40V Peak                                                                      |
| <b>Input Dynamic Range</b>            | $\pm$ 20V                                                                         | $\pm$ 10V                                                                          | $\pm$ 20V                                                                           |
| <b>User defined threshold range</b>   | -10V~10V (10mV steps)                                                             | -8V~8V (10mV steps)                                                                | -3V~3V (10mV steps)                                                                 |
| <b>Threshold Selections</b>           | TTL(1.5V), CMOS(2.5V), 3.3V_LVCMOS(1.65V), 2.5V_LVCMOS(1.25V)                     | TTL(1.5V), CMOS(2.5V), 3.3V_LVCMOS(1.65V), 2.5V_LVCMOS(1.25V)                      | TTL(1.5V), CMOS(2.5V), 3.3V_LVCMOS(1.65V), 2.5V_LVCMOS(1.25V)                       |
| <b>Threshold Accurac</b>              | $\pm$ (3% of threshold setting +200mV)                                            | $\pm$ (3% of threshold setting +150mV)                                             | $\pm$ (3% of threshold setting +400mV)                                              |
| <b>Threshold Groupings</b>            | Group 2: D15-D8<br>Group 1: D7-D0                                                 | Group 2: D15-D8<br>Group 1: D7-D0                                                  | D7-D0                                                                               |
| <b>Minimum Input Voltage Swing</b>    | 800mVpp                                                                           | 800mVpp                                                                            | 800mVpp                                                                             |
| <b>Maximum Input Data Rate</b>        | 300 Mbps                                                                          | 120 Mbps                                                                           | 120Mbps                                                                             |
| <b>Minimum Detectable Pulse Width</b> | 3.3ns                                                                             | 8.3ns                                                                              | 8.3ns                                                                               |
| <b>Channel-to-Channel Skew</b>        | $\pm$ (1 digital sample interval)                                                 | $\pm$ (1 digital sample interval)                                                  | $\pm$ (1 digital sample interval)                                                   |

## Near Field Probe

| Parameter \ Model      | SRF5030T-H20                                                                                                                                                                                         | SRF5030T-H10   | SRF5030T-H5    | SRF5030T-E5    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|
|                        |                                                                                                                  |                |                |                |
| <b>Frequency Range</b> | 300kHz to 3GHz                                                                                                                                                                                       | 300kHz to 3GHz | 300kHz to 3GHz | 300kHz to 3GHz |
| <b>Resolution</b>      | 20 mm                                                                                                                                                                                                | 10 mm          | 5 mm           | 5 mm           |
| <b>Application</b>     | Radiated EMC measurement<br>RF immunity testing<br>Contactless (load free) relative measurement of RF signal chains<br>Contactless (load free) relative measurement of oscillators, modulators, etc. |                |                |                |

# DataSheet SIGLENT Series Probe



## About SIGLENT

SIGLENT is an international high-tech company, concentrating on R&D, sales, production and services of electronic test & measurement instruments.

SIGLENT first began developing digital oscilloscopes independently in 2002. After more than a decade of continuous development, SIGLENT has extended its product line to include digital oscilloscopes, function/arbitrary waveform generators, RF generators, digital multimeters, DC power supplies, spectrum analyzers, vector network analyzers, isolated handheld oscilloscopes, electronic load and other general purpose test instrumentation. Since its first oscilloscope, the ADS7000 series, was launched in 2005, SIGLENT has become the fastest growing manufacturer of digital oscilloscopes. We firmly believe that today SIGLENT is the best value in electronic test & measurement.

### Headquarters:

SIGLENT Technologies Co., Ltd  
Add: Bldg No.4 & No.5, Antongda Industrial  
Zone, 3rd Liuxian Road, Bao'an District,  
Shenzhen, 518101, China  
Tel: + 86 755 3688 7876  
Fax: + 86 755 3359 1582  
Email: sales@siglent.com  
Website: int.siglent.com

### USA:

SIGLENT Technologies America, Inc  
6557 Cochran Rd Solon, Ohio 44139  
Tel: 440-398-5800  
Toll Free: 877-515-5551  
Fax: 440-399-1211  
Email: info@siglent.com  
Website: www.siglentna.com

### Europe:

SIGLENT Technologies Germany GmbH  
Add: Liebigstrasse 2-20, Gebaeude 14,  
22113 Hamburg Germany  
Tel: +49(0)-819-95946  
Fax: +49(0)-819-95947  
Email: info-eu@siglent.com  
Website: www.siglent.eu.com

Follow us on  
Facebook: SiglentTech

