CS18 Optional Extra

CAL-Q-U-ICP®

Application

- **Calibration of charge, voltage and ICP® amplifiers**;
  in conjunction with the optional extra PHASE also applicable to PHASE calibration of signal conditioners

Feature

- Frequency range 0.2 Hz ... 50 kHz

Range of Use

- Certified calibration laboratories
- Departments of measuring instrument verification in research and industry
- Quality assurance in sensor manufacturing

Electrical Calibration of Signal Conditioners

Performance Parameter

Charge Amplifier:

Frequency Range		Expanded Measurement Uncertainty [1] of the Transfer Coefficient Amount / Phase [2]	Measuring Range (Peak Value)
From	To		
0.2 Hz	< 1 Hz	0.5 % / 0.7°	1 pC ... 10 nC
1 Hz	5,000 Hz	0.4 % / 0.5°	
> 5,000 Hz	10,000 Hz	0.4 % / 1.0°	
> 10,000 Hz	20,000 Hz	0.6 % / 2.0°	
> 20,000 Hz	50,000 Hz	1.0 % / -	

Voltage and ICP® Amplifier:

Frequency Range		Expanded Measurement Uncertainty [1] of the Transfer Coefficient Amount / Phase [2]	Measuring Range (Peak Value)
From	To		
0.2 Hz	< 1 Hz	0.4 % / 0.7°	10 mV ... 10 V
1 Hz	20,000 Hz	0.3 % / 0.5°	
> 20,000 Hz	50,000 Hz	1.0 % / -	

[1] Determined according to GUM (ISO Guide to the expression of uncertainty in measurement, 1995) with k = 2 (coverage factor)

[2] Only valid in combination with the optional extra PHASE

All data are subject to change without notice

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