



Certificate of Calibration

Data Type: FOUND-LEFT

Certificate No: 1710817

Instrument	Description	CABLE ANALYZER	
	Manufacturer	FLUKE NETWORKS	
	Model	DTX-1800	
	Serial Number	2352057-2352058	
	Inventory Number	-	
Customer	Name	JMP TELEFON	
	City	KRAKOW	
	Site Number	5250286	
Order Number	RMA Number	624013339	
Environmental	Temperature within	(23.0 ± 3.0) °C	
Conditions	Humidity within	(45 ± 20) %rh	
Calibration Procedure	Excel Certificate and t	raceability procedure (3.20)	
Results	The instrument meets The results of the mea	its specifications at all points measured. asurements are shown on page 3 through 5	5
	44.4. 0040		
Date of Calibration	11 Aug 2016		Issue date: 11 Aug 2016
Date of Recalibration	11 Aug 2017		cerry y ink
	San		MA
Place of Calibration	5011		G.J.J. Sprik
Tested by	W.H.J. van Hulten		Head of laboratory

This calibration is performed by a DEKRA certified lab for ISO 9001:2008. All measurements are traceable to national and/or international standards or have been derived by approved ratio techniques. When possible standards used for this calibration are ISO/IEC 17025:2005 accredited calibrated. This certificate may not be reproduced other than in full. Calibration certificates without signature are not valid.





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Remarks

- The data type found in this certificate on the top of each page must be interpreted as:

As-Found	: Calibration data collected before the unit is adjusted and / or repaired
As-Left	: Calibration data collected after the unit has been adjusted and / or repaired
Found-Left	: Calibration data collected without any adjustment and / or repair performed

- If the unit under test is used under rough conditions we recommend to decrease the calibration interval period, the calibration interval (due date) is the responsibility of the end user;
- According to the European norm 'Operation of electrical installations' NEN-EN 50110-1 release 2005 and the Dutch norm NEN 3140 release 2015 paragraph 5.102.12 through 5.102.16, is a safety test not required. Therefore not performed.

Standards and test-equipment used for this calibration:

Model	Serial No	Inventory No	Due to	Certificate No
DTX ARTIFACT SET	WP2406	WP2406	14 Oct 2016	181944
FTE1895	5745014	WP0758	17 Sep 2016	1345247

DTX CableAnalyzer FoundLeft Calibration Certification Report



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DTX CableAnalyzer FoundLeft Calibration Certification Report

Main Remote	DTX-1800 DTX-1800R	2352057 2352058		Test Date	11 08 2016	
Propagation	Delav					
				Cal	hle Artifact Sn	5745014
	Standard	Meas	Deviation	Allow Dev	Units	Result
Pair 12	472.00	469.42	-2.58	20.00	ns	Pass
Pair 36	464.00	463.78	-0.22	20.00	ns	Pass
Pair 45	459.00	457.32	-1.68	20.00	ns	Pass
Pair 78	456.00	454.82	-1.18	20.00	ns	Pass

Report version 3.0.59