

The Meter Handling System is composed of a set of movable trolleys and fixed stands network. The system is utilized for convey and connection of tested meters for technological operations. The system is capable to handle single-phase two-wire and three-wire meters, as well as two-phase and three-phase meters. Connection can either be quick-acting for particular types of unified meters or universal for all types of electricity meters. The system is facilitating and optimizing technological and metrological processes in adjustment and calibration of electricity meters, avoiding necessity of reconnection or relocation of the meters during adjustment and testing procedures.

Highlights

- The modular design of the stand system permits building of various capacity test equipments in accordance with laboratory requirements.
- The stand system may consist of up to four stands. Each of the stands has a capacity for evaluation of up to 20 electricity meters, either single-phase or poly-phase, 10 meters on one side.
- Construction of the system enables customized placement to fit any laboratory area for easy handling and optimal meters calibration and testing.
- The movable trolleys permit easy handling and optimal processing of technological operations.
- The trolleys can be equipped with single-phase or poly-phase quick connection mechanism.
- The manual wiring system for single-phase, two-phase and three-phase meters can handle up to 120 A.
- The trolleys can be equipped with optional Precision Electronically Compensated Transformers (CMR-I or CMR-U), enabling simultaneous testing of meters with interconnected voltage and current circuits.
- The mobile system is dedicated to fully automated electronic equipment ELMA or to a partial modernization of existing electromechanical systems.
- Static versions of various capacity meter handling system are also available.

Technical data

Capacity of Static Stand system	multiple of 5 ¹
Capacity of mobile Stand system	up to 4 stands 16 or 20 meters (8 or 10 per side) on stand ¹
Distance between individual mobile stands	1.5 m ¹
Voltage range	max. 300 V ¹
Voltage connection	quick or universal (with safety plugs)
Current range	max. 120 A ^{1,2}
Current connection	quick ² or universal

¹ can be customized

² current quick connection limits: 100 A continuously and 120 A for max. 5 min both at full contact pressure to copper terminal



Table version FHS



Static Stand System FHS



Mobile Stand System MHS

Static Stand Systems

Type	Phases	Positions
FHS 1SRAS	1	1 (table version)
FHS 3SRAS	1	3 (1x3, table version)
FHS 5SRAS	1	5 (1x5)
FHS 8SRAS	1	8 (1x8)
FHS 10SRAS	1	10 (1x10)
FHS 10SRAD	1	10 (2x5)
FHS 16SRAD	1	16 (2x8)
FHS 20SRAD	1	20 (2x10)
FHS 40SRAD	1	40 (4x10)

Type	Phases	Positions
FHS 1TRAS	3	1 (table version)
FHS 3TRAS	3	3 (1x3, table version)
FHS 5TRAS	3	5 (1x5)
FHS 8TRAS	3	8 (1x8)
FHS 10TRAS	3	10 (1x10)
FHS 10TRAD	3	10 (2x5)
FHS 16TRAD	3	16 (2x8)
FHS 20TRAD	3	20 (2x10)
FHS 40TRAD	3	40 (4x10)

Mobile Stand Systems – trolleys with 16 or 20 positions

Type	Phases	Positions
MHS 16SAR	1	16
MHS 20SAR	1	20

Type	Phases	Positions
MHS 16TAR	3	16
MHS 20TAR	3	20

Mobile Stand Systems - stands for trolleys with 16 or 20 positions

Type	Phases	Number of trolleys	Positions
FMHS 16SA	1	1	16
FMHS 20SA	1	1	20
FMHS 32SA	1	2	32
FMHS 40SA	1	2	40
FMHS 48SA	1	3	48
FMHS 60SA	1	3	60
FMHS 64SA	1	4	64
FMHS 80SA	1	4 / 5	80
FMHS 96SA	1	6	96
FMHS 100SA	1	5	100
FMHS 120SA	1	6	120

Type	Phases	Number of trolleys	Positions
FMHS 16TA	3	1	16
FMHS 20TA	3	1	20
FMHS 32TA	3	2	32
FMHS 40TA	3	2	40
FMHS 48TA	3	3	48
FMHS 60TA	3	3	60
FMHS 64TA	3	4	64
FMHS 80TA	3	4 / 5	80
FMHS 96TA	3	6	96
FMHS 100TA	3	5	100