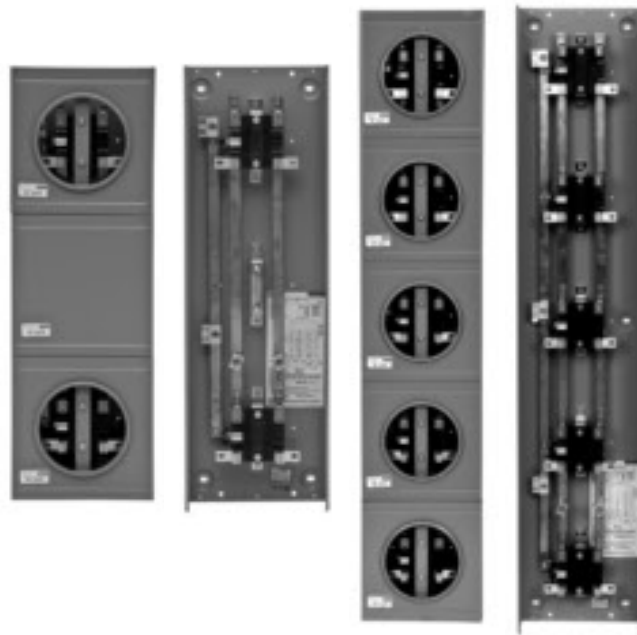


# Group Metering: NYC Gangable Metering

## NYC Group Metering: Information

### Product Descriptions

Murray New York City Apartment Metering is a versatile, unassembled modular metering product comprised of separate modules that may be assembled to produce a variety of configurations. Only those standard modules shown in this publication will be sold. Installation instructions are shipped with the product. The modules are:



### Meter Stacks

Meter Stacks are available from 2 to 5 meter positions, arranged vertically and pre-bussed on the line side. Each meter position is rated 100 amps continuous (125 amps maximum), 5 jaw, with the 5th jaw located at 9 o'clock and connected to the stack neutral bus. Indoor mounting only.

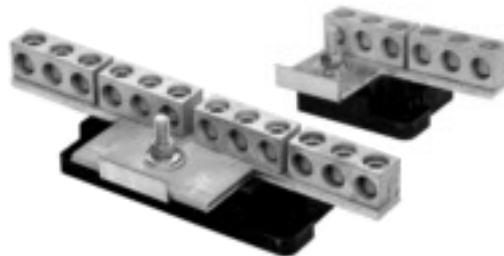
### Line Troughs

Line troughs are indoor horizontal wireways that support the meter stacks and supply unmeasured line power to meter stack bus. Line trough is available from 2 to 5 stack positions and may be ganged by means of couplers to accommodate 6 or more stacks. Phase blocks and line terminals are required to terminate line conductors and to provide means to field wire each stack. Trough end walls are ordered separately.



### Phase Blocks

Phase blocks are required to terminate line conductors and provide terminals for field connection to each stack bus. Phase blocks are available with 3, 6 or 12 take-off lugs.



### System Parameters

- Mounting: Indoor only
- Input: 208Y/120V AC, 3 Phase, 4 Wire or 120/240V AC, 1 Phase, 3 Wire
- Maximum line terminal- (2) 500 kcmil/phase
- Output: 120Y/208V AC, 1 Phase, 3 wire or 120/240V AC, 1 Phase, 3 Wire 100 Amps continuous/meter position (125 amps maximum)
- Meter Sockets: 5 jaw, with 5th jaw located at 9 o'clock and electrically connected to neutral bus
- Tenant Circuit Breakers: Use Murray Type MP-T 2 pole plug-on circuit breakers, (100 amps maximum)

# Group Metering: NYC Gangable Metering

## NYC Group Metering: Information

### Getting Started

Before ordering components, the following should be known:

- Installation instructions are shipped with the product
- Number of meter positions
- Amp rating of each meter position
- Voltage and phase of incoming line
- Line conductor size and quantity
- Vertical and horizontal space limitations, if any

Meter stacks are 10" wide and are 10" high for each meter position, or blank position. (A 3-high stack with no blank positions would be 10" wide and 30" high). When considering the overall height of an installation, you must add the height of the line trough (12") and the breaker trough (16") to the stack height.

An installation of 3-high stacks would be 58" in overall height ( $30" + 12" + 16" = 58"$ ).

All meter stacks in the same meter bank must be the same height to allow the breaker trough to fit on top of the stacks.

### Line Terminal Kits

Line terminals are available in kits of 4 terminals each. The terminals are tang lugs which mount on threaded studs provided on the phase blocks. Terminals are available in 3 sizes:

- (1) 350 kcmil
- (1) 500 kcmil
- (2) 500 kcmil maximum



### End Wall Kits

These kits contain 4 end walls; 2 end walls for the line trough and 2 end walls for the breaker trough.

### Circuit Breakers

New York City Apartment Metering uses standard 2-pole plug-on circuit breakers, Murray Type MP-T, 100 amps maximum.



### Coupler Kits

These kits each contain 2 trough coupler straps; one for the line trough and one for the breaker trough. These couplers mount using the same mounting screw holes as the end walls.

### Line Trough Spacer Kits

These kits may be used to increase wire bend space between the first phase block and line entrance end wall, if necessary. They connect to line troughs with a standard coupling kit. Trough end walls are ordered separately.

### Breaker Troughs

Breaker troughs are horizontal indoor wireways that contain provisions for plug-in circuit breakers used as tenant mains. The trough bolt to the top of the meter stacks. Field wiring connects each meter socket to a circuit breaker mounting block. Breaker troughs are available in 2 to 5 stack positions and can be ganged to accommodate 6 or more stacks. Trough end walls are ordered separately.

