



# CROMPTON INSTRUMENTS

## DIN RAIL DIGITAL ENERGY METERS



### Compare the features

|                         | DRS-45-1P-PLS-01 | DRS-45-1P-MOD-01 | DRS-100-1P-MOD-01 | DRS-100-3P-MOD-01 | DRS-100-3P-MOD-2T | DRS-CT-3P-MOD-2T |
|-------------------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|
| Module width            | 1                | 1                | 2                 | 4                 | 4                 | 4                |
| Single phase            | ✓                | ✓                |                   | ✓                 | ✓                 | ✓                |
| Three phase             |                  |                  |                   | ✓                 |                   | ✓                |
| Direct connected load   | 45A              | 45A              | 100A              | 100A              | 100A              |                  |
| Programmable CT Input   |                  |                  |                   | 0.5s              | 0.5s              | 0.5s             |
| Accuracy class kWh      | 0.5s             | 0.5s             | 0.5s              | 0.5s              | 0.5s              | 0.5s             |
| MID approved            | ✓                | ✓                | ✓                 | ✓                 | ✓                 | ✓                |
| Nabers, Green Star, BCA | ✓                |                  | ✓                 | ✓                 | ✓                 | ✓                |
| 2 TARIFF trigger        |                  |                  |                   | via RS485 comms   |                   |                  |
| Active energy kWh       | ✓                | ✓                | ✓                 | ✓                 | ✓                 | ✓                |
| Reactive energy kVArh   | ✓                | ✓                | ✓                 | ✓                 | ✓                 | ✓                |
| Energy pulse output     | ✓                | ✓                | ✓                 | ✓                 | ✓                 | ✓                |
| RS485 modbus            |                  | ✓                | ✓                 | ✓                 | ✓                 | ✓                |
| Non volatile memory     | ✓                | ✓                | ✓                 | ✓                 | ✓                 | ✓                |
| Self powered            | ✓                | ✓                | ✓                 | ✓                 | ✓                 | ✓                |



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| Module width                 | 4                   | 4                   | 4                    | 4                    | 4                    |
|------------------------------|---------------------|---------------------|----------------------|----------------------|----------------------|
| Single phase                 | ✓                   | ✓                   | ✓                    | ✓                    |                      |
| Three phase                  | ✓                   | ✓                   | ✓                    | ✓                    | ✓                    |
| CT connection type           | Standard connection | Standard connection | 1 x 3P RJ12 CT input | 2 x 3P RJ12 CT Input | 3 x 3P RJ12 CT input |
| CT Input                     | 5A                  | 0.333mV             | 100mA                | 100mA                | 100mA                |
| Accuracy class kWh           | Class 1             | Class 1             | Class 1              | Class 1              | Class 1              |
| Nabers, Green Star, BCA      | ✓                   | ✓                   | ✓                    | ✓                    | ✓                    |
| Active energy Import kWh     | ✓                   | ✓                   | ✓                    | ✓                    | ✓                    |
| Active energy Export kWh     | ✓                   | ✓                   | Via Modbus           | Via Modbus           | Via Modbus           |
| Reactive energy Import kVArh | ✓                   | ✓                   | Via Modbus           | Via Modbus           | Via Modbus           |
| Reactive energy Export kVArh | ✓                   | ✓                   | Via Modbus           | Via Modbus           | Via Modbus           |
| Energy pulse output          | ✓                   | ✓                   | ✓                    | ✓                    | ✓                    |
| RS485 modbus                 | ✓                   | ✓                   | ✓                    | ✓                    | ✓                    |
| Non volatile memory          | ✓                   | ✓                   | ✓                    | ✓                    | ✓                    |



# CROMPTON INSTRUMENTS

## PANEL MOUNTED INTEGRA DIGIT



**INT-1221-S-010**  
Self Powered  
Single & Three Phase



**INT-1221-M-010**  
Auxiliary Powered  
Single & Three Phase



**INT-1222-S-010**  
Self Powered  
Single & Three Phase



**INT-1222-M-010**  
Auxiliary Powered  
Single & Three Phase



**INT-1630**  
Auxiliary Powered  
Single & Three Phase



**INT-2170-M-01**  
Auxiliary Powered  
Single & Three Phase

**INT-2270-M-01**  
Auxiliary Powered  
Single & Three Phase

### Compare the features

|                               | <b>INT-1221-S-010</b><br>Self Powered<br>Single & Three Phase | <b>INT-1221-M-010</b><br>Auxiliary Powered<br>Single & Three Phase | <b>INT-1222-S-010</b><br>Self Powered<br>Single & Three Phase | <b>INT-1222-M-010</b><br>Auxiliary Powered<br>Single & Three Phase | <b>INT-1630</b><br>Auxiliary Powered<br>Single & Three Phase | <b>INT-2170-M-01</b><br>Auxiliary Powered<br>Single & Three Phase | <b>INT-2270-M-01</b><br>Auxiliary Powered<br>Single & Three Phase |
|-------------------------------|---|--|---|--|--|---|---|
| CT connection type            | RJ12 CT Input   | RJ12 CT Input  | Standard connection   | Standard connection  | Standard connection  | Standard connection   | Standard connection   |
| Programmable CT Input         | ✓   | ✓  | ✓   | ✓  | ✓  | ✓   |   |
| Programmable VT Input         | ✓   | ✓  | ✓   | ✓  | ✓  | ✓   | ✓   |
| Accuracy class kWh            | 0.5s  | 0.5s   | 0.5s  | 0.5s   | 0.3  | 0.5s  | 0.2s  |
| Nabers, Green Star, BCA       | ✓   | ✓  | ✓   | ✓  | ✓  | ✓   | ✓   |
| Active energy kWh             | ✓   | ✓  | ✓   | ✓  | ✓  | ✓   | ✓   |
| Reactive energy kVArh         | ✓   | ✓  | ✓   | ✓  | ✓  | ✓   | ✓   |
| Energy pulse output           | ✓   |  | ✓   |  | ✓  | ✓   | ✓   |
| RS485 modbus                  | ✓   | ✓  | ✓   | ✓  | ✓  | ✓   | ✓   |
| Modbus TCP option available   | ✓   | ✓  | ✓   | ✓  | ✓  | ✓   | ✓   |
| Bacnet IP option available    |   | ✓  | ✓   | ✓  | ✓  | ✓   | ✓   |
| Bacnet MSTP option available  |   | ✓  | ✓   | ✓  | ✓  |   |   |
| Profibus option available     |   |  |   |  | ✓  |   |   |
| THD measurement               | 63 <sup>rd</sup>  | 63 <sup>rd</sup>   | 63 <sup>rd</sup>  | 63 <sup>rd</sup>   | 31 <sup>st</sup>   | 63 <sup>rd</sup>  | 63 <sup>rd</sup>  |
| Digital I/O gas & water       |   |  |   |  |  | ✓   | ✓   |
| Soft alarms                   |   |  |   |  |  | ✓   | ✓   |
| Sags & swells monitoring      |   |  |   |  |  | ✓   | ✓   |
| Waveform capture              |   |  |   |  |  |   | ✓   |
| Non volatile memory           | ✓   | ✓  | ✓   | ✓  | ✓  | ✓   | ✓   |
| Data logging option available | ✓   | ✓  | ✓   | ✓  | ✓  | ✓   | ✓   |
| IP64 panel gasket available   | ✓   | ✓  | ✓   | ✓  | ✓  |   |   |



# CROMPTON INSTRUMENTS

## PANEL MOUNTED INTEGRA DIGIT



### Compare the features

|                               | INT-1422-M-000      | INT-1422-M-010      | INT-1422-M-015      | INT-1422-M-070      | INT-1422-M-075      |
|-------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| CT connection type            | Standard connection |
| Programmable CT Input         | ✓                   | ✓                   | ✓                   | ✓                   | ✓                   |
| Programmable VT Input         | ✓                   | ✓                   | ✓                   | ✓                   | ✓                   |
| Accuracy class kWh            | 0.2s                | 0.2s                | 0.2s                | 0.2s                | 0.2s                |
| Nabers, Green Star, BCA       | ✓                   | ✓                   | ✓                   | ✓                   | ✓                   |
| Active energy kWh             | ✓                   | ✓                   | ✓                   | ✓                   | ✓                   |
| Reactive energy kVArh         | ✓                   | ✓                   | ✓                   | ✓                   | ✓                   |
| Energy pulse output           |                     |                     | ✓                   |                     | ✓                   |
| RS485 modbus                  |                     | ✓                   | ✓                   |                     |                     |
| Modbus TCP                    |                     |                     |                     | ✓                   | ✓                   |
| Bacnet IP                     |                     |                     |                     |                     |                     |
| Bacnet MSTP                   |                     |                     |                     |                     |                     |
| Profibus                      |                     |                     |                     |                     |                     |
| THD measurement               | 31st                | 31st                | 31st                | 31st                | 31st                |
| Digital I/O gas & water       |                     |                     | ✓                   |                     | ✓                   |
| Soft alarms                   |                     |                     |                     |                     |                     |
| Sags & swells monitoring      |                     |                     |                     |                     |                     |
| Waveform capture              |                     |                     |                     |                     |                     |
| Non volatile memory           | ✓                   | ✓                   | ✓                   | ✓                   | ✓                   |
| Data logging option available |                     |                     |                     |                     |                     |
| IP64 panel gasket available   |                     |                     |                     |                     |                     |