

Technical Specifications

Comparison Table for Dataloggers DT80 Serie					
Feature	DT80	DT80W	DT80M	DT80G	DT80GW
Analog input channels	5	5	5	5	5
Analog output channels	✓	✓	✓	✓	✓
Vibrating wire strain gauge support	–	–	–	✓	✓
CEM20 modules supported	5	5	5	5	5
Digital I/O channels (open-drain outputs)	4	4	4	4	4
Digital I/O channels (logic outputs / SDI-12)	4	4	4	4	4
Relay output-1 latching relay	✓	✓	–	✓	✓
High speed counter inputs	4	4	4	4	4
Phase encoder inputs	2	2	2	2	2
RS232/422/485 communications port	✓	✓	✓	✓	✓
RS232 host port	✓	✓	–	✓	✓
USB communications port	✓	✓	✓	✓	✓
Ethernet port	✓	✓	✓	✓	✓
USB memory device port	✓	✓	✓	✓	✓
Intergrated Wi-Fi	–	✓	–	–	✓
Switched isolated 5/12 V power output	✓	✓	✓	✓	✓
Battery charger for internal/external battery	✓	✓	–	✓	✓
Internal battery (capacity in Ah)	1.2	1.2	–	–	–
Modbus master function	✓	✓	✓	✓	✓
Modbus slave (TCP/IP)	✓	✓	✓	✓	✓
LCD display & keypad	✓	✓	✓	✓	✓
Status LEDs	4	4	4	4	4
Integrated modem	–	–	✓	–	–

Quality Statement: DataTaker operates a quality management system complying with ISO 9001:2008. It is DataTaker's policy to supply customers with products which are fit for their intended purpose, safe in use, perform reliably to published specification and are backed by a fast and efficient customer support service.

Trademarks: DataTaker is a registered trademark.

Specifications: DataTaker reserves the right to change product specifications at any time without notice.

Comparison Table for Dataloggers DT85 Serie						
Feature	DT85	DT85W	DT85M	DT85G	DT85GW	DT85GM
Analog input channels	16	16	16	16	16	16
Analog output channels	✓	–	–	✓	–	–
Vibrating wire strain gauge support	–	–	–	✓	–	–
CEM20 modules supported	16	16	16	16	16	16
Digital I/O channels (open-drain outputs)	4	–	–	4	–	–
Digital I/O channels (logic outputs / SDI-12)	4	–	–	4	–	–
Relay output-1 latching relay	✓	–	–	✓	–	–
High speed counter inputs	7	7	7	4	4	4
Phase encoder inputs	3	3	3	2	2	2
RS232/422/485 communications port	✓	✓	✓	✓	✓	✓
RS232 host port	✓	✓	–	✓	✓	–
USB communications port	✓	✓	✓	✓	✓	✓
Ethernet port	✓	✓	✓	✓	✓	✓
USB memory device port	✓	✓	✓	✓	✓	✓
Unswitched external power output	✓	✓	✓	✓	✓	✓
Switched isolated 5/12V power output	✓	✓	✓	✓	✓	✓
Battery charger for internal/external battery	✓	✓	–	✓	✓	–
Internal battery (capacity in Ah)	4.0	4.0	–	4.0	4.0	–
Modbus master function	✓	✓	✓	✓	✓	✓
Modbus slave (TCP/IP)	✓	✓	✓	✓	✓	✓
LCD display & keypad	✓	✓	✓	✓	✓	✓
Status LEDs	4	4	4	4	4	4
Intergrated Wi-Fi	–	✓	–	–	✓	–
Integrated modem	–	–	✓	–	–	✓

Comparison Table for Dataloggers DT82 Serie			
Feature	DT82E	DT82I	DT82EM
Analog input channels	2	2	–
Analog output channels	✓	✓	–
Digital I/O channels (open-drain outputs)	3	4	–
Digital I/O channels (logic outputs / SDI-12)	1	–	–
Relay output-1 latching relay	4	✓	–
High speed counter inputs	4	4	–
Phase encoder inputs	–	2	–
RS232/422/485 communications port	–	✓	–
RS232 host port	✓	✓	–
Ethernet port	✓	✓	✓
USB memory device port	✓	✓	✓
Switched isolated 5/12 V power output	✓	✓	✓
Battery charger for internal/external battery	–	✓	–
Internal battery (capacity in Ah)	–	1.2	–
Modbus master function	–	✓	–
Modbus slave (TCP/IP)	✓	✓	✓
LCD display & keypad	✓	✓	✓
Status LEDs	4	4	4
Integrated modem	–	–	✓

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COSINUS Messtechnik GmbH

Rotwandweg 4

82024 Taufkirchen

Tel.: 089 / 66 55 94 - 0

Fax: 089 / 66 55 94 -30

office@cosinus.de
www.cosinus.de