

Technical Specifications

Comparison Table for Dataloggers		
Feature	DT85	DT85G
Analog input channels	16	16
Analog output channels	✓	✓
Vibrating wire strain gauge support	–	✓
CEM20 modules supported	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	4
Phase encoder inputs	3	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
Modbus master function	✓	✓
Modbus slave (TCP/IP)	✓	✓
LCD display & keypad	✓	✓
Status LEDs	4	4

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				
Feature	DT80	DT80W	DT80G	DT80GW
Analog input channels	5	5	5	5
Analog output channels	✓	✓	✓	✓
Vibrating wire strain gauge support	–	–	✓	✓
CEM20 modules supported	5	5	5	5
Digital I/O channels (open-drain outputs)	4	4	4	4
Digital I/O channels (logic outputs / SDI-12)	4	4	4	4
Relay output-1 latching relay	✓	✓	✓	✓
High speed counter inputs	4	4	4	4
Phase encoder inputs	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

Comparison Table for Dataloggers		
Feature	DT82E	DT82I
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

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in allen elektrischen und physikalischen Anwendungen**

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**